



National Toxicology Program  
Department of Health and Human Services

# NTP Historical Controls Report

By Route and Vehicle

RATS

March 2010

# REPORT DESCRIPTION

This report shows the tumor rates of control group animals from selected studies. The studies used are shown on the Study Summary page.

This report is broken up into sections based on the route and vehicle used to deliver the chemical. The Table of Contents on Page 3 shows the different Route/Vehicle combinations. To see the data from all routes and vehicles combined into one set, you must run the "All Routes" report.

The individual tumor rates shown on the data pages of the report relate to the Study Summary page as follows: the tumor rates are shown in the same order as the Study Summary page, except that they are grouped horizontally in sets of three, with the males in the first set of three and the females in the second set. For example if the study summary showed the studies like this:

**Male**

M1  
M2  
M3  
M4  
M5

**Female**

F1  
F2  
F3  
F4  
F5

the data would be shown as:

<b>Male</b>			<b>Female</b>		
M1	M2	M3	F1	F2	F3
M4	M5		F4	F5	

Directly beneath the individual tumor rates on the data pages are the overall totals for that tumor/site combination. This includes the total tumors/animals, the overall mean (in parentheses), the mean of the study means, and the standard deviation of the study means.

Studies with no control animals of a particular gender are listed on the summary page with the Number of Animals shown as zero and the Start Date and Length of Study shown as "N/A". On the data pages there are blank spaces where tumor rates for these studies would normally be found, so that the male and female rates for the remaining studies can be easily compared.

# Table of Contents

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Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 03/20/2010

**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Columbus Laboratory	058810503	04/22/02	729	50(3)	35(702)	521.9	Isoeugenol
Battelle Columbus Laboratory	052000705	08/18/04	727	49(3)	34(692)	515.2	Kava kava extract
Battelle Columbus Laboratory	059902303	03/25/02	729	50(3)	29(683)	501.9	beta-Myrcene
Battelle Columbus Laboratory	059902005	04/09/03	727	50(3)	39(685)	514.9	Pulegone
<b>Female</b>							
Battelle Columbus Laboratory	058810503	04/23/02	730	50(5)	33(699)	339.3	Isoeugenol
Battelle Columbus Laboratory	052000705	08/19/04	728	50(5)	34(683)	354.3	Kava kava extract
Battelle Columbus Laboratory	059902303	03/26/02	730	50(5)	31(668)	323.8	beta-Myrcene
Battelle Columbus Laboratory	059902005	04/10/03	728	50(5)	31(682)	341.2	Pulegone

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		49/50 (98%)	49/49 (100%)	49/50 (98%)	41/50 (82%)	43/50 (86%)	40/50 (80%)
		47/50 (94%)			42/50 (84%)		
<b>Overall Incidence</b>	Total	194/199 (97.49%)	Mean 97.5%	SD 2.52%	Total	166/200 (83%)	Mean 83% SD 2.58%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		29/50 (58%)	17/49 (35%)	23/50 (46%)	18/50 (36%)	11/50 (22%)	11/50 (22%)
		10/50 (20%)			8/50 (16%)		
<b>Overall Incidence</b>	Total	79/199 (39.7%)	Mean 39.67%	SD 16.2%	Total	48/200 (24%)	Mean 24% SD 8.49%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)	49/49 (100%)	50/50 (100%)	46/50 (92%)	46/50 (92%)	45/50 (90%)
		47/50 (94%)			44/50 (88%)		
<b>Overall Incidence</b>	Total	196/199 (98.49%)	Mean 98.5%	SD 3%	Total	181/200 (90.5%)	Mean 90.5% SD 1.91%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5% SD 1%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			2/50 (4%)		
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1% SD 2%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		10/50 (20%)	7/49 (14%)	9/50 (18%)		8/50 (16%)	5/50 (10%)	5/50 (10%)	
		4/50 (8%)				4/50 (8%)			
<b>Overall Incidence</b>	Total	30/199 (15.08%)	Mean 15.07%	SD 5.28%	Total	22/200 (11%)	Mean 11%	SD 3.46%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.01%	SD 1.17%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		3/50 (6%)	3/49 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		2/50 (4%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	10/199 (5.03%)	Mean 5.03%	SD 1.19%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		3/50 (6%)	3/49 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		2/50 (4%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	10/199 (5.03%)	Mean 5.03%	SD 1.19%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		2/50 (4%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		2/50 (4%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		5/50 (10%)	5/49 (10%)	11/50 (22%)		2/50 (4%)	3/50 (6%)	1/50 (2%)	
		8/50 (16%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	29/199 (14.57%)	Mean 14.55%	SD 5.69%	Total	9/200 (4.5%)	Mean 4.5%	SD 1.91%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		3/50 (6%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	5/199 (2.51%)	Mean 2.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		7/50 (14%)	5/49 (10%)	13/50 (26%)		2/50 (4%)	3/50 (6%)	1/50 (2%)	
		8/50 (16%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	33/199 (16.58%)	Mean 16.55%	SD 6.74%	Total	9/200 (4.5%)	Mean 4.5%	SD 1.91%	
.....									
<b>#Bone:</b>									
<b>Chondrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Bone:</b>									
<b>Chondrosarcoma or Chondroma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		2/50 (4%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		2/50 (4%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Brain:</b>									
<b>Medulloblastoma Mal</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

#: Denominator is number of animals with tissues examined microscopically

\*: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		2/50 (4%)	0/49 (0%)	5/50 (10%)		3/48 (6%)	2/50 (4%)	7/50 (14%)	
		3/50 (6%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	10/199 (5.03%)	Mean 5%	SD 4.16%	Total	15/198 (7.58%)	Mean 7.56%	SD 4.41%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		2/50 (4%)	1/49 (2%)	0/50 (0%)		2/48 (4%)	2/50 (4%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	4/198 (2.02%)	Mean 2.04%	SD 2.36%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		4/50 (8%)	1/49 (2%)	5/50 (10%)		5/48 (10%)	4/50 (8%)	7/50 (14%)	
		4/50 (8%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	14/199 (7.04%)	Mean 7.01%	SD 3.44%	Total	19/198 (9.6%)	Mean 9.6%	SD 3.44%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 03/20/2010

		Male				Female			
<b>*Clitoral/Preputial Gland:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Esophagus:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 03/20/2010

		Male				Female			
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 03/20/2010

		Male				Female			
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		4/50 (8%)	4/49 (8%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		2/50 (4%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6.04%	SD 2.36%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		4/50 (8%)	4/49 (8%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		2/50 (4%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	13/199 (6.53%)	Mean 6.54%	SD 1.96%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 03/20/2010

		Male				Female			
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>  Nephroblastoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>  Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Cholangioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hepatocellular Adenoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

#: Denominator is number of animals with tissues examined microscopically

\*: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		3/50 (6%)	2/49 (4%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	4/50 (8%)		
		0/50 (0%)			2/50 (4%)				
<b>Overall Incidence</b>	Total	8/199 (4.02%)	Mean 4.02%	SD 2.83%	Total	7/200 (3.5%)	Mean 3.5%	SD 3.42%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		4/50 (8%)	2/49 (4%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	4/50 (8%)		
		1/50 (2%)			2/50 (4%)				
<b>Overall Incidence</b>	Total	10/199 (5.03%)	Mean 5.02%	SD 2.57%	Total	7/200 (3.5%)	Mean 3.5%	SD 3.42%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	4/200 (2%)	Mean 2%	SD 2.31%	
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		4/50 (8%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	5/200 (2.5%)	Mean 2.5%	SD 3.79%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		4/50 (8%)	3/50 (6%)	0/50 (0%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	9/200 (4.5%)	Mean 4.5%	SD 3.42%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		4/50 (8%)	0/49 (0%)	0/50 (0%)		26/50 (52%)	24/50 (48%)	17/50 (34%)	
		1/50 (2%)				21/50 (42%)			
<b>Overall Incidence</b>	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	88/200 (44%)	Mean 44%	SD 7.83%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		4/50 (8%)	0/49 (0%)	0/50 (0%)		26/50 (52%)	25/50 (50%)	17/50 (34%)	
		1/50 (2%)				22/50 (44%)			
<b>Overall Incidence</b>	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	90/200 (45%)	Mean 45%	SD 8.08%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		4/50 (8%)	0/49 (0%)	0/50 (0%)		28/50 (56%)	26/50 (52%)	17/50 (34%)	
		1/50 (2%)				22/50 (44%)			
<b>Overall Incidence</b>	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	93/200 (46.5%)	Mean 46.5%	SD 9.71%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Mesentery:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.01%	SD 1.17%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50 (2%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	2/200 (1%)	Mean 1%	SD 2%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.01%	SD 1.17%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Cystadenoma</b>									
						0/50 (0%)	1/50 (2%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Benign</b>									
						0/50 (0%)	0/50 (0%)	1/50 (2%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Malignant</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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					Male						Female						
<b>*Ovary:</b>																	
Granulosa Cell Tumor: Benign, Malignant, NOS																	
					0/50	(0%)	0/50	(0%)	1/50	(2%)							
					0/50	(0%)											
<b>Overall Incidence</b>					Total	1/200	(0.5%)	Mean	0.5%	SD	1%						
.....																	
<b>*Ovary:</b>																	
Granulosa-Theca Tumor Benign																	
					0/50	(0%)	0/50	(0%)	0/50	(0%)							
					0/50	(0%)											
<b>Overall Incidence</b>					Total	0/200	(0%)	Mean	0%	SD	0%						
.....																	
<b>*Ovary:</b>																	
Granulosa-Theca Tumor Malignant																	
					0/50	(0%)	0/50	(0%)	0/50	(0%)							
					0/50	(0%)											
<b>Overall Incidence</b>					Total	0/200	(0%)	Mean	0%	SD	0%						
.....																	
<b>*Ovary:</b>																	
Tubulostromal Adenoma																	
					0/50	(0%)	0/50	(0%)	0/50	(0%)							
					0/50	(0%)											
<b>Overall Incidence</b>					Total	0/200	(0%)	Mean	0%	SD	0%						
.....																	
<b>*Pancreas:</b>																	
Adenoma																	
			7/50	(14%)	1/49	(2%)	1/50	(2%)				0/50	(0%)	0/50	(0%)	0/50	(0%)
			2/50	(4%)							0/50	(0%)					
<b>Overall Incidence</b>			Total	11/199	(5.53%)	Mean	5.51%	SD	5.74%	Total	0/200	(0%)	Mean	0%	SD	0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		8/50 (16%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6.01%	SD 6.72%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/47 (0%)	1/49 (2%)	1/45 (2%)		0/47 (0%)	0/44 (0%)	0/47 (0%)	
		1/49 (2%)				2/46 (4%)			
<b>Overall Incidence</b>	Total	3/190 (1.58%)	Mean 1.58%	SD 1.05%	Total	2/184 (1.09%)	Mean 1.09%	SD 2.17%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		19/50 (38%)	21/49 (43%)	6/50 (12%)		25/50 (50%)	29/50 (58%)	25/50 (50%)	
		11/50 (22%)				27/50 (54%)			
<b>Overall Incidence</b>	Total	57/199 (28.64%)	Mean 28.71%	SD 14.27%	Total	106/200 (53%)	Mean 53%	SD 3.83%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		19/50 (38%)	21/49 (43%)	6/50 (12%)		25/50 (50%)	30/50 (60%)	25/50 (50%)	
		11/50 (22%)				27/50 (54%)			
<b>Overall Incidence</b>	Total	57/199 (28.64%)	Mean 28.71%	SD 14.27%	Total	107/200 (53.5%)	Mean 53.5%	SD 4.73%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 03/20/2010

		Male				Female			
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Carcinoma or Adenoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Nervosa:</b>									
<b>  Craniopharyngioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%					
.....									
<b>*Prostate:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%					
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%					
.....									
<b>#Skeletal Muscle:</b>									
<b>  Fibrous Histiocytoma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
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 Vehicle: CORN OIL

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		0/50 (0%)	2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50 (2%)	2/49 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.02%	SD 1.67%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		8/50 (16%)	2/49 (4%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		3/50 (6%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	16/199 (8.04%)	Mean 8.02%	SD 5.4%	Total	2/200 (1%)	Mean 1%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Skin:</b>									
<b>Fibroma</b>									
		5/50 (10%)	7/49 (14%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	2/50 (4%)	
		3/50 (6%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	18/199 (9.05%)	Mean 9.07%	SD 3.95%	Total	6/200 (3%)	Mean 3%	SD 2.58%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		7/50 (14%)	7/49 (14%)	4/50 (8%)		0/50 (0%)	1/50 (2%)	3/50 (6%)	
		3/50 (6%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	21/199 (10.55%)	Mean 10.57%	SD 4.21%	Total	7/200 (3.5%)	Mean 3.5%	SD 3%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		2/50 (4%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		7/50 (14%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6%	SD 5.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		2/50 (4%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.92%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Skin:</b>									
<b>Sarcoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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 Vehicle: CORN OIL

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		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		7/50 (14%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6%	SD 5.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		7/50 (14%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6%	SD 5.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		46/50 (92%)	37/49 (76%)	47/50 (94%)					
		46/50 (92%)							
<b>Overall Incidence</b>	Total	176/199 (88.44%)	Mean 88.38%	SD 8.63%					
.....									
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		9/50 (18%)	8/49 (16%)	12/50 (24%)		7/50 (14%)	5/50 (10%)	5/50 (10%)	
		8/50 (16%)				8/50 (16%)			
<b>Overall Incidence</b>	Total	37/199 (18.59%)	Mean 18.58%	SD 3.72%	Total	25/200 (12.5%)	Mean 12.5%	SD 3%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
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		Male				Female			
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		6/50 (12%)	0/49 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	6/199 (3.02%)	Mean 3%	SD 6%	Total	3/200 (1.5%)	Mean 1.5%	SD 3%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		15/50 (30%)	8/49 (16%)	12/50 (24%)	9/50 (18%)	5/50 (10%)	5/50 (10%)		
		8/50 (16%)			8/50 (16%)				
<b>Overall Incidence</b>	Total	43/199 (21.61%)	Mean 21.58%	SD 6.72%	Total	27/200 (13.5%)	Mean 13.5%	SD 4.12%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		1/50 (2%)	1/49 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		2/50 (4%)	1/49 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	6/199 (3.02%)	Mean 3.01%	SD 2.58%	Total	2/200 (1%)	Mean 1%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female			
<b>#Tissue NOS:</b>									
Lipoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS:</b>									
Paraganglioma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
Squamous Cell Carcinoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
Squamous Cell Carcinoma or Papilloma Squamous									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Tongue:</b>									
Squamous Cell Papilloma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma or Papilloma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>Papilloma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Adenoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Carcinoma</b>									
						0/50 (0%)	0/50 (0%)	1/50 (2%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Uterus:</b>									
<b>Deciduoma Benign</b>									
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Uterus:</b>									
<b>Hemangioma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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	Male	Female
<b>#Uterus:</b> Hemangiosarcoma		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
<b>#Uterus:</b> Leiomyosarcoma		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
<b>#Uterus:</b> Polyp Stromal		
	8/50 (16%) 5/50 (10%)	7/50 (14%) 8/50 (16%)
<b>Overall Incidence</b>	Total 28/200 (14%)	Mean 14% SD 2.83%
<b>#Uterus:</b> Sarcoma		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
<b>#Uterus:</b> Sarcoma Stromal		
	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
<b>Overall Incidence</b>	Total 1/200 (0.5%)	Mean 0.5% SD 1%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male			Female		
<b>#Uterus:</b>							
<b>Sarcoma Stromal or Polyp Stromal</b>							
			8/50 (16%)		7/50 (14%)		8/50 (16%)
			5/50 (10%)				
<b>Overall Incidence</b>		Total	28/200 (14%)		Mean 14%		SD 2.83%
.....							
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
			0/50 (0%)				
<b>Overall Incidence</b>		Total	0/200 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			1/50 (2%)		0/50 (0%)		0/50 (0%)
			0/50 (0%)				
<b>Overall Incidence</b>		Total	1/200 (0.5%)		Mean 0.5%		SD 1%
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
			0/50 (0%)				
<b>Overall Incidence</b>		Total	0/200 (0%)		Mean 0%		SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Zymbal's Gland:</b>									
<b>Carcinoma</b>		2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 2%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
<b>#Zymbal's Gland:</b>									
<b>Carcinoma or Adenoma</b>		2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 2%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Southern Research Institute	059902407	02/03/03	729	50(3)	21(661)	518.7	Androstenedione
Southern Research Institute	059903705	06/09/03	729	50(3)	27(662)	523.0	alpha/beta Thujone mixture
<b>Female</b>							
Southern Research Institute	059902407	02/03/03	729	50(5)	38(710)	356.5	Androstenedione
Southern Research Institute	059903705	06/09/03	730	50(5)	35(689)	335.4	alpha/beta Thujone mixture

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#All Organs:</b>									
<b>Benign Tumors</b>									
		47/50 (94%)	44/50 (88%)		44/50 (88%)	46/50 (92%)			
<b>Overall Incidence</b>	Total	91/100 (91%)	Mean 91%	SD 4.24%	Total	90/100 (90%)	Mean 90%	SD 2.83%	
.....									
<b>#All Organs:</b>									
<b>Malignant Tumors</b>									
		34/50 (68%)	31/50 (62%)		10/50 (20%)	20/50 (40%)			
<b>Overall Incidence</b>	Total	65/100 (65%)	Mean 65%	SD 4.24%	Total	30/100 (30%)	Mean 30%	SD 14.14%	
.....									
<b>#All Organs:</b>									
<b>Malignant and Benign Tumors</b>									
		49/50 (98%)	48/50 (96%)		46/50 (92%)	49/50 (98%)			
<b>Overall Incidence</b>	Total	97/100 (97%)	Mean 97%	SD 1.41%	Total	95/100 (95%)	Mean 95%	SD 4.24%	
.....									
<b>#All Organs:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		26/50	(52%)	22/50	(44%)	5/50	(10%)	10/50	(20%)
<b>Overall Incidence</b>	Total	48/100	(48%)	Mean 48%	SD 5.66%	Total	15/100	(15%)	Mean 15%
									SD 7.07%
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%
									SD 0%
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		3/50	(6%)	1/50	(2%)	0/50	(0%)	1/47	(2%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	1/97	(1.03%)	Mean 1.06%
									SD 1.5%
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/47	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/97	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		7/50 (14%)	6/50 (12%)		3/50 (6%)	2/48 (4%)			
<b>Overall Incidence</b>	Total	13/100 (13%)	Mean 13%	SD 1.41%	Total	5/98 (5.1%)	Mean 5.08%	SD 1.3%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		1/50 (2%)	0/50 (0%)		1/50 (2%)	1/48 (2%)			
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	2/98 (2.04%)	Mean 2.04%	SD 0.06%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		8/50 (16%)	6/50 (12%)		4/50 (8%)	3/48 (6%)			
<b>Overall Incidence</b>	Total	14/100 (14%)	Mean 14%	SD 2.83%	Total	7/98 (7.14%)	Mean 7.13%	SD 1.24%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>#Bone:</b>									
<b>Chondrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Chondrosarcoma or Chondroma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female					
<b>*Brain:</b>											
<b>Astrocytoma Malignant</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Ependymoma Benign</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Ependymoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Glioma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>*Brain:</b>											
<b>Granular Cell Tumor Benign</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Medulloblastoma Mal</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		3/50	(6%)	2/49	(4%)	12/50	(24%)	12/50	(24%)
<b>Overall Incidence</b>	Total	5/99	(5.05%)	Mean 5.04%	SD 1.36%	Total	24/100	(24%)	Mean 24%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma</b>									
		0/50 (0%)	1/49 (2%)		1/50 (2%)	2/50 (4%)			
<b>Overall Incidence</b>	Total	1/99 (1.01%)	Mean 1.02%	SD 1.44%	Total	3/100 (3%)	Mean 3%	SD 1.41%	
.....									
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>									
		3/50 (6%)	3/49 (6%)		13/50 (26%)	14/50 (28%)			
<b>Overall Incidence</b>	Total	6/99 (6.06%)	Mean 6.06%	SD 0.09%	Total	27/100 (27%)	Mean 27%	SD 1.41%	
.....									
<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Sarcoma</b>									
		0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus: Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female				
<b>#Esophagus:</b>										
Lipoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
<b>#Eye:</b>										
Melanoma Malignant										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
<b>#Eye:</b>										
Schwannoma Malignant										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
<b>#Harderian Gland:</b>										
Carcinoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
<b>#Harderian Gland:</b>										
Carcinoma or Adenoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
<b>*Heart:</b>										
Schwannoma Benign										
Overall Incidence	Total	0/50 (0%)	2/50 (4%)	Mean 2%	SD 2.83%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male				Female					
<b>*Heart:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Hemangioma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#Intestine Small: Site Unspecified: Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female					
<b>*Islets, Pancreatic:</b>											
<b>Adenoma</b>											
		4/50	(8%)	1/50	(2%)			1/50	(2%)	1/49	(2%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 4.24%	Total	2/99	(2.02%)	Mean 2.02%	SD 0.03%	
.....											
<b>*Islets, Pancreatic:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	2/50	(4%)			1/50	(2%)	0/49	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	1/99	(1.01%)	Mean 1%	SD 1.41%	
.....											
<b>*Islets, Pancreatic:</b>											
<b>Carcinoma or Adenoma</b>											
		4/50	(8%)	3/50	(6%)			2/50	(4%)	1/49	(2%)
<b>Overall Incidence</b>	Total	7/100	(7%)	Mean 7%	SD 1.41%	Total	3/99	(3.03%)	Mean 3.02%	SD 1.39%	
.....											
<b>*Kidney: Pelvis and Transitional Epithelium:</b>											
<b>Carcinoma</b>											
		0/49	(0%)	0/48	(0%)			0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Pelvis and Transitional Epithelium:</b>											
<b>Carcinoma or Adenoma</b>											
		0/49	(0%)	0/48	(0%)			0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Pelvis and Transitional Epithelium:</b>											
<b>Papilloma</b>											
		0/49	(0%)	0/48	(0%)			0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>Mesenchymal Tumor Malignant</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	1/44	(2%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	1/94	(1.06%)	Mean 1.14%
									SD 1.61%
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Nephroblastoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0%
									SD 0%
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Sarcoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0%
									SD 0%
.....									
<b>*Liver:</b>									
<b>Cholangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Liver:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female					
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Carcinoma</b>											
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>											
		0/50	(0%)	2/50	(4%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Fibrosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Hemangiosarcoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Lymph Node:</b>											
<b>Hemangiosarcoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	2/100	(2%)	Mean 2%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	2/50	(4%)	2/50	(4%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	4/100	(4%)	Mean 4%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	3/50	(6%)	3/50	(6%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	6/100	(6%)	Mean 6%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		2/50	(4%)	3/50	(6%)	35/50	(70%)	26/50	(52%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 1.41%	Total	61/100	(61%)	Mean 61%
									SD 12.73%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%
									SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female					
<b>#Mammary Gland:</b>											
<b>Fibroma, Fibroadenoma or Adenoma</b>											
		3/50	(6%)	3/50	(6%)			36/50	(72%)	28/50	(56%)
<b>Overall Incidence</b>	Total	6/100	(6%)	Mean 6%	SD 0%	Total	64/100	(64%)	Mean 64%	SD 11.31%	
.....											
<b>#Mammary Gland:</b>											
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>											
		3/50	(6%)	3/50	(6%)			37/50	(74%)	30/50	(60%)
<b>Overall Incidence</b>	Total	6/100	(6%)	Mean 6%	SD 0%	Total	67/100	(67%)	Mean 67%	SD 9.9%	
.....											
<b>#Mesentery:</b>											
<b>Fibrous Histiocytoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Mesentery:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Mesentery:</b>											
<b>Lipoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Mesentery:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Route: GAVAGE  
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		Male				Female			
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Ovary:</b>									
<b>Cystadenoma</b>									
						0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total					0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Benign</b>									
						0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total					0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Malignant</b>									
						0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total					1/100	(1%)	Mean 1%	SD 1.41%
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>									
						0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total					1/100	(1%)	Mean 1%	SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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Male					Female										
<b>*Ovary:</b>															
<b>Granulosa-Theca Tumor Benign</b>															
					0/50	(0%)	0/50	(0%)							
<b>Overall Incidence</b>					Total	0/100	(0%)	Mean	0%	SD	0%				
.....															
<b>*Ovary:</b>															
<b>Granulosa-Theca Tumor Malignant</b>															
					0/50	(0%)	0/50	(0%)							
<b>Overall Incidence</b>					Total	0/100	(0%)	Mean	0%	SD	0%				
.....															
<b>*Ovary:</b>															
<b>Tubulostromal Adenoma</b>															
					1/50	(2%)	0/50	(0%)							
<b>Overall Incidence</b>					Total	1/100	(1%)	Mean	1%	SD	1.41%				
.....															
<b>*Pancreas:</b>															
<b>Adenoma</b>															
		3/50	(6%)	0/50	(0%)			0/50	(0%)						
<b>Overall Incidence</b>		Total	3/100	(3%)	Mean	3%	SD	4.24%	Total	0/99	(0%)	Mean	0%	SD	0%
.....															
<b>*Pancreas:</b>															
<b>Carcinoma</b>															
		0/50	(0%)	0/50	(0%)			0/50	(0%)						
<b>Overall Incidence</b>		Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....															
<b>*Pancreas:</b>															
<b>Carcinoma or Adenoma</b>															
		3/50	(6%)	0/50	(0%)			0/50	(0%)						
<b>Overall Incidence</b>		Total	3/100	(3%)	Mean	3%	SD	4.24%	Total	0/99	(0%)	Mean	0%	SD	0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female				
<b>*Pancreas:</b>										
<b>Mixed Tumor Benign</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/99	(0%)	Mean 0%	SD 0%
.....										
<b>*Pancreas:</b>										
<b>Mixed Tumor Malignant</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%	SD 0%
.....										
<b>*Parathyroid Gland:</b>										
<b>Adenoma</b>										
		0/48	(0%)	0/48	(0%)		0/49	(0%)	0/47	(0%)
<b>Overall Incidence</b>	Total	0/96	(0%)	Mean 0%	SD 0%	Total	0/96	(0%)	Mean 0%	SD 0%
.....										
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>										
<b>Adenoma</b>										
		19/50	(38%)	24/50	(48%)		19/50	(38%)	25/50	(50%)
<b>Overall Incidence</b>	Total	43/100	(43%)	Mean 43%	SD 7.07%	Total	44/100	(44%)	Mean 44%	SD 8.49%
.....										
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>										
<b>Carcinoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>										
<b>Carcinoma or Adenoma</b>										
		19/50	(38%)	24/50	(48%)		19/50	(38%)	26/50	(52%)
<b>Overall Incidence</b>	Total	43/100	(43%)	Mean 43%	SD 7.07%	Total	45/100	(45%)	Mean 45%	SD 9.9%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male			Female		
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Ganglioneuroma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1% SD 1.41%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1% SD 1.41%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1% SD 1.41%
.....							
<b>*Pituitary Gland: Pars Nervosa:</b>							
<b>Craniopharyngioma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Prostate:</b>							
<b>Adenoma</b>							
		0/50 (0%)	2/50 (4%)				
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 2.83%			
.....							
<b>*Prostate:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)	2/50 (4%)				
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 2.83%			

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Salivary Glands:</b>									
<b>  Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%				
.....									
<b>#Skeletal Muscle:</b>									
<b>  Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		0/50	(0%)	3/50	(6%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 4.24%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50	(2%)	4/50	(8%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 4.24%	Total	2/100	(2%)	Mean 2% SD 2.83%
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		5/50	(10%)	9/50	(18%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	14/100	(14%)	Mean 14%	SD 5.66%	Total	2/100	(2%)	Mean 2% SD 2.83%
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		5/50	(10%)	11/50	(22%)	3/50	(6%)	2/50	(4%)
<b>Overall Incidence</b>	Total	16/100	(16%)	Mean 16%	SD 8.49%	Total	5/100	(5%)	Mean 5% SD 1.41%
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		6/50	(12%)	16/50	(32%)	3/50	(6%)	2/50	(4%)
<b>Overall Incidence</b>	Total	22/100	(22%)	Mean 22%	SD 14.14%	Total	5/100	(5%)	Mean 5% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		1/50	(2%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		1/50	(2%)	6/50	(12%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	7/100	(7%)	Mean 7%	SD 7.07%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		3/50	(6%)	5/50	(10%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	8/100	(8%)	Mean 8%	SD 2.83%	Total	0/100	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female					
<b>#Skin:</b>											
Lipoma											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Liposarcoma											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Neural Crest Tumor											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Neural Crest Tumor, Malignant											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Neurofibroma or Schwannoma benign											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Neurofibrosarcoma or Schwannoma (malignant or NOS)											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Route: GAVAGE  
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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 4.24%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female					
<b>#Skin:</b>											
<b>Squamous Cell Papilloma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Papilloma or Papilloma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>											
		4/50	(8%)	5/50	(10%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	9/100	(9%)	Mean 9%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>											
		4/50	(8%)	5/50	(10%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	9/100	(9%)	Mean 9%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Trichoepithelioma</b>											
		0/50	(0%)	2/50	(4%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin: Sebaceous Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/98	(0%)	Mean 0%	SD 0%
.....									
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/98	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/98	(0%)	Mean 0%
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/98	(0%)	Mean 0%
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/98	(0%)	Mean 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male			Female		
<b>#Stomach, Forestomach:</b>							
<b>Squamous Cell Papilloma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Glandular:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Glandular:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Glandular:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Glandular:</b>							
<b>Sarcoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Testes:</b>							
<b>Adenoma</b>							
		42/50 (84%)	35/50 (70%)				
<b>Overall Incidence</b>	Total	77/100 (77%)	Mean 77%	SD 9.9%			

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%				
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/50	(0%)	0/44	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/94	(0%)	Mean 0%	SD 0%	Total	0/98	Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/50	(0%)	0/44	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/94	(0%)	Mean 0%	SD 0%	Total	0/98	Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/50	(0%)	0/44	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/94	(0%)	Mean 0%	SD 0%	Total	0/98	Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/50	(0%)	0/44	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/94	(0%)	Mean 0%	SD 0%	Total	0/98	Mean 0%	SD 0%
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		3/50	(6%)	6/46	(13%)	4/50	(8%)	4/42	(10%)
<b>Overall Incidence</b>	Total	9/96	(9.38%)	Mean 9.52%	SD 4.98%	Total	8/92	Mean 8.76%	SD 1.08%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
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		Male				Female			
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		1/50 (2%)	0/46 (0%)			0/50 (0%)	3/42 (7%)		
<b>Overall Incidence</b>	Total	1/96 (1.04%)	Mean 1%	SD 1.41%	Total	3/92 (3.26%)	Mean 3.57%	SD 5.05%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		4/50 (8%)	6/46 (13%)			4/50 (8%)	7/42 (17%)		
<b>Overall Incidence</b>	Total	10/96 (10.42%)	Mean 10.52%	SD 3.57%	Total	11/92 (11.96%)	Mean 12.33%	SD 6.13%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		3/50 (6%)	0/46 (0%)			0/50 (0%)	0/42 (0%)		
<b>Overall Incidence</b>	Total	3/96 (3.12%)	Mean 3%	SD 4.24%	Total	0/92 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		0/50 (0%)	0/46 (0%)			0/50 (0%)	0/42 (0%)		
<b>Overall Incidence</b>	Total	0/96 (0%)	Mean 0%	SD 0%	Total	0/92 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		3/50 (6%)	0/46 (0%)			0/50 (0%)	0/42 (0%)		
<b>Overall Incidence</b>	Total	3/96 (3.12%)	Mean 3%	SD 4.24%	Total	0/92 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS: Lipoma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#Tissue NOS:</b>									
<b>Paranglioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>  Carcinoma or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Uterus:</b>									
<b>  Adenoma</b>									
						0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Uterus:</b>									
<b>  Carcinoma</b>									
						0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						0/100	(0%)	Mean 0%	SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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	Male	Female
<b>#Uterus:</b> Deciduoma Benign		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Hemangioma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Hemangiosarcoma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Leiomyosarcoma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Polyp Stromal		
Overall Incidence	Total 9/50 (18%) 26/100 (26%)	17/50 (34%) Mean 26% SD 11.31%
<b>#Uterus:</b> Sarcoma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male			Female		
<b>#Uterus:</b>							
<b>Sarcoma Stromal</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Uterus:</b>							
<b>Sarcoma Stromal or Polyp Stromal</b>							
			9/50 (18%)		17/50 (34%)		
<b>Overall Incidence</b>		Total	26/100 (26%)		Mean 26%		SD 11.31%
.....							
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#Zymbal's Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Zymbal's Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: WATER

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Columbus Laboratory	058812305	03/21/01	727	50(3)	26(673)	509.7	Formamide
Battelle Columbus Laboratory	052000505	01/21/04	727	50(3)	30(679)	498.5	Ginseng
Battelle Columbus Laboratory	059501107	03/06/02	727	50(3)	22(673)	510.3	5-(Hydroxymethyl)-2-furfural
<b>Female</b>							
Battelle Columbus Laboratory	058812305	03/20/01	730	50(5)	38(703)	358.3	Formamide
Battelle Columbus Laboratory	052000505	01/22/04	728	50(5)	36(700)	355.0	Ginseng
Battelle Columbus Laboratory	059501107	03/07/02	728	50(5)	31(679)	332.2	5-(Hydroxymethyl)-2-furfural

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		45/50 (90%)	49/50 (98%)	50/50 (100%)	43/50 (86%)	42/50 (84%)	46/50 (92%)
<b>Overall Incidence</b>	Total	144/150 (96%)	Mean 96%	SD 5.29%	Total 131/150 (87.33%)	Mean 87.33%	SD 4.16%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		25/50 (50%)	26/50 (52%)	35/50 (70%)	15/50 (30%)	10/50 (20%)	16/50 (32%)
<b>Overall Incidence</b>	Total	86/150 (57.33%)	Mean 57.33%	SD 11.02%	Total 41/150 (27.33%)	Mean 27.33%	SD 6.43%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		48/50 (96%)	49/50 (98%)	50/50 (100%)	49/50 (98%)	45/50 (90%)	48/50 (96%)
<b>Overall Incidence</b>	Total	147/150 (98%)	Mean 98%	SD 2%	Total 142/150 (94.67%)	Mean 94.67%	SD 4.16%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female			
<b>#All Organs:</b>								
<b>Histiocytic Sarcoma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Leukemia: Erythrocytic</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>								
		15/50 (30%)	18/50 (36%)	28/50 (56%)	10/50 (20%)	6/50 (12%)	9/50 (18%)	
<b>Overall Incidence</b>	Total	61/150 (40.67%)	Mean 40.67%	SD 13.61%	Total	25/150 (16.67%)	Mean 16.67%	SD 4.16%
.....								
<b>#All Organs:</b>								
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Mesothelioma: Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Mesothelioma: Benign, Malignant, NOS</b>								
		2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/150 (4%)	Mean 4%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female			
<b>#All Organs:</b>								
<b>Mesothelioma: Malignant</b>								
		2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/150 (4%)	Mean 4%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>#All Organs:</b>								
<b>Osteoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Osteosarcoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#All Organs:</b>								
<b>Osteosarcoma or Osteoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Adrenal Cortex:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Adrenal Cortex:</b>								
<b>Carcinoma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		9/50 (18%)	4/50 (8%)	5/50 (10%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	18/150 (12%)	Mean 12%	SD 5.29%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		9/50 (18%)	4/50 (8%)	5/50 (10%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	18/150 (12%)	Mean 12%	SD 5.29%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>#Bone:</b>											
<b>Chondrosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Chondrosarcoma or Chondroma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Chordoma</b>											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma or Osteoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female					
<b>*Brain:</b>											
<b>Astrocytoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Ependymoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Ependymoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Glioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Granular Cell Tumor Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Brain:</b>											
<b>Medulloblastoma Mal</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>*Brain:</b>											
<b>Oligodendroglioma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Adenoma</b>											
		1/50	(2%)	0/50	(0%)	5/50	(10%)	2/50	(4%)	1/50	(2%)
<b>Overall Incidence</b>	Total	6/150	(4%)	Mean 4%	SD 5.29%	Total	6/150	(4%)	Mean 4%	SD 2%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female			
<b>*Clitoral/Preputial Gland: Carcinoma</b>								
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>								
		2/50 (4%)	0/50 (0%)	6/50 (12%)	2/50 (4%)	2/50 (4%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	8/150 (5.33%)	Mean 5.33%	SD 6.11%	Total	7/150 (4.67%)	Mean 4.67%	SD 1.15%
.....								
<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Clitoral/Preputial Gland: Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Ear: Neural Crest Tumor</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Esophagus: Fibrosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female			
<b>#Esophagus:</b>								
<b>Lipoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Eye:</b>								
<b>Melanoma Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Eye:</b>								
<b>Schwannoma Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Harderian Gland:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Harderian Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Heart:</b>								
<b>Schwannoma Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>*Heart:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Hemangioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female		
<b>#Intestine Small: Duodenum:</b>							
<b>Leiomyoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Intestine Small: Ileum:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Granular Cell Tumor Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Leiomyoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Leiomyosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female		
<b>#Intestine Small: Site Unspecified: Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Carcinoma</b>							
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>							
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male			Female			
<b>*Islets, Pancreatic: Adenoma</b>								
		2/50 (4%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
.....								
<b>*Islets, Pancreatic: Carcinoma</b>								
		1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>								
		3/50 (6%)	0/50 (0%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	7/150 (4.67%)	Mean 4.67%	SD 4.16%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
.....								
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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 Vehicle: WATER

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		Male			Female		
<b>*Kidney: Renal Tubule: Adenoma</b>							
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Carcinoma</b>							
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>							
		1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male			Female			
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Kidney: Renal Tubule: Nephroblastoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Kidney: Renal Tubule: Sarcoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Liver: Cholangioma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Liver: Hemangiosarcoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Liver: Hepatocellular Adenoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	2/50 (4%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 2.31%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female			
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>*Liver:</b>								
<b>Ito Cell Tumor Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female							
<b>*Lung:</b>													
<b>Alveolar/Bronchiolar Carcinoma</b>													
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	2/150 (1.33%)		Mean 1.33%		SD 1.15%		Total 1/150 (0.67%)		Mean 0.67%		SD 1.15%	
.....													
<b>*Lung:</b>													
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>													
		1/50	(2%)	0/50	(0%)	1/50	(2%)	2/50	(4%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)		Mean 1.33%		SD 1.15%		Total 3/150 (2%)		Mean 2%		SD 2%	
.....													
<b>*Lung:</b>													
<b>Fibrosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/150 (0%)		Mean 0%		SD 0%	
.....													
<b>*Lung:</b>													
<b>Hemangiosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/150 (0%)		Mean 0%		SD 0%	
.....													
<b>*Lung:</b>													
<b>Squamous Cell Carcinoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/150 (0%)		Mean 0%		SD 0%	
.....													
<b>#Lymph Node:</b>													
<b>Hemangiosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/150 (0%)		Mean 0%		SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male			Female			
<b>#Mammary Gland:</b>								
<b>Adenolipoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Mammary Gland:</b>								
<b>Adenoma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%
.....								
<b>#Mammary Gland:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>#Mammary Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	6/150 (4%)	Mean 4%	SD 0%
.....								
<b>#Mammary Gland:</b>								
<b>Fibroadenoma</b>								
		2/50 (4%)	2/50 (4%)	1/50 (2%)	33/50 (66%)	32/50 (64%)	29/50 (58%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%	Total	94/150 (62.67%)	Mean 62.67%	SD 4.16%
.....								
<b>#Mammary Gland:</b>								
<b>Fibroma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male			Female		
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma or Adenoma</b>							
		4/50 (8%)	2/50 (4%)	1/50 (2%)		33/50 (66%)	33/50 (66%)
<b>Overall Incidence</b>	Total	7/150 (4.67%)	Mean 4.67%	SD 3.06%	Total	96/150 (64%)	Mean 64%
						30/50 (60%)	SD 3.46%
.....							
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>							
		4/50 (8%)	2/50 (4%)	1/50 (2%)		35/50 (70%)	33/50 (66%)
<b>Overall Incidence</b>	Total	7/150 (4.67%)	Mean 4.67%	SD 3.06%	Total	98/150 (65.33%)	Mean 65.33%
						30/50 (60%)	SD 5.03%
.....							
<b>#Mesentery:</b>							
<b>Fibrous Histiocytoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						0/50 (0%)	SD 0%
.....							
<b>#Mesentery:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						0/50 (0%)	SD 0%
.....							
<b>#Mesentery:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						0/50 (0%)	SD 0%
.....							
<b>#Mesentery:</b>							
<b>Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						0/50 (0%)	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** WATER

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 Report Date: 03/20/2010

		Male				Female							
<b>*Nose:</b>													
<b>Adenoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%			
.....													
<b>*Nose:</b>													
<b>Chondroma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>*Nose:</b>													
<b>Squamous Cell Carcinoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>													
<b>Papilloma Squamous or Papilloma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>													
<b>Squamous Cell Carcinoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%			
.....													
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>													
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%			

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** WATER

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 Report Date: 03/20/2010

		Male				Female			
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Cystadenoma</b>									
						0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>					Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Benign</b>									
						0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>					Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Malignant</b>									
						0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>					Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>									
						0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>					Total	0/149 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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					Male						Female							
<b>*Ovary:</b>																		
<b>Granulosa-Theca Tumor Benign</b>																		
						0/50	(0%)		0/50	(0%)	0/49	(0%)						
<b>Overall Incidence</b>					Total	0/149	(0%)	Mean	0%	SD	0%							
.....																		
<b>*Ovary:</b>																		
<b>Granulosa-Theca Tumor Malignant</b>																		
						0/50	(0%)		0/50	(0%)	0/49	(0%)						
<b>Overall Incidence</b>					Total	0/149	(0%)	Mean	0%	SD	0%							
.....																		
<b>*Ovary:</b>																		
<b>Tubulostromal Adenoma</b>																		
						0/50	(0%)		0/50	(0%)	0/49	(0%)						
<b>Overall Incidence</b>					Total	0/149	(0%)	Mean	0%	SD	0%							
.....																		
<b>*Pancreas:</b>																		
<b>Adenoma</b>																		
						0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>					Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....																		
<b>*Pancreas:</b>																		
<b>Carcinoma</b>																		
						0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>					Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....																		
<b>*Pancreas:</b>																		
<b>Carcinoma or Adenoma</b>																		
						0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>					Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female			
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/48	(0%)	0/50	(0%)	0/49	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/147	(0%)	Mean 0%	SD 0%	Total	0/142	(0%)	Mean 0%
									SD 0%
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		11/50	(22%)	20/50	(40%)	15/50	(30%)	22/50	(44%)
<b>Overall Incidence</b>	Total	46/150	(30.67%)	Mean 30.67%	SD 9.02%	Total	62/150	(41.33%)	Mean 41.33%
									SD 8.33%
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	3/150	(2%)	Mean 2%
									SD 2%
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		11/50	(22%)	20/50	(40%)	15/50	(30%)	24/50	(48%)
<b>Overall Incidence</b>	Total	46/150	(30.67%)	Mean 30.67%	SD 9.02%	Total	65/150	(43.33%)	Mean 43.33%
									SD 9.87%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>											
<b>Ganglioneuroma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Pituitary Gland: Pars Intermedia:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Pituitary Gland: Pars Intermedia:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Pituitary Gland: Pars Nervosa:</b>											
<b>Craniopharyngioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Prostate:</b>											
<b>Adenoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%						
.....											
<b>*Prostate:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%						

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female			
<b>*Salivary Glands:</b>									
<b>  Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%				
.....									
<b>#Skeletal Muscle:</b>									
<b>  Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female					
<b>#Skeletal Muscle:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skeletal Muscle:</b>											
<b>Rhabdomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skeletal Muscle:</b>											
<b>Rhabdomyosarcoma or Rhabdomyoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Adenoma</b>											
		1/50	(2%)	1/50	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean 2%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>											
		1/50	(2%)	1/50	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean 2%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>											
		1/50	(2%)	1/50	(2%)	1/50	(2%)	2/50	(4%)	1/50	(2%)
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean 2%	SD 0%	Total	3/150	(2%)	Mean 2%	SD 2%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50 (2%)	1/50 (2%)	1/50 (2%)		2/50 (4%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		10/50 (20%)	2/50 (4%)	4/50 (8%)		4/50 (8%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	16/150 (10.67%)	Mean 10.67%	SD 8.33%	Total	7/150 (4.67%)	Mean 4.67%	SD 4.16%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		6/50 (12%)	2/50 (4%)	5/50 (10%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	13/150 (8.67%)	Mean 8.67%	SD 4.16%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		7/50 (14%)	3/50 (6%)	6/50 (12%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	16/150 (10.67%)	Mean 10.67%	SD 4.16%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male			Female		
<b>#Skin:</b>							
<b>Fibrosarcoma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>							
		1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Fibrous Histiocytoma</b>							
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Keratoacanthoma</b>							
		8/50 (16%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
<b>Overall Incidence</b>	Total	10/150 (6.67%)	Mean 6.67%	SD 8.33%	Total	4/150 (2.67%)	Mean 2.67% SD 2.31%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>#Skin:</b>											
Lipoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Liposarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Neural Crest Tumor											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Neural Crest Tumor, Malignant											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Neurofibroma or Schwannoma benign											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
Neurofibrosarcoma or Schwannoma (malignant or NOS)											
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female					
<b>#Skin:</b>											
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>											
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)		Mean 1.33%		SD 1.15%		Total 1/150 (0.67%)		Mean 0.67%	
.....											
<b>#Skin:</b>											
<b>Sarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/150 (0%)		Mean 0%	
.....											
<b>#Skin:</b>											
<b>Schwannoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/150 (0%)		Mean 0%	
.....											
<b>#Skin:</b>											
<b>Schwannoma Malignant</b>											
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)		Mean 1.33%		SD 1.15%		Total 1/150 (0.67%)		Mean 0.67%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)		Mean 1.33%		SD 1.15%		Total 0/150 (0%)		Mean 0%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>											
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)		Mean 1.33%		SD 1.15%		Total 0/150 (0%)		Mean 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		9/50 (18%)	1/50 (2%)	3/50 (6%)		2/50 (4%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	13/150 (8.67%)	Mean 8.67%	SD 8.33%	Total	5/150 (3.33%)	Mean 3.33%	SD 3.06%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		9/50 (18%)	0/50 (0%)	2/50 (4%)		2/50 (4%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	11/150 (7.33%)	Mean 7.33%	SD 9.45%	Total	5/150 (3.33%)	Mean 3.33%	SD 3.06%	
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male				Female					
<b>#Skin: Sebaceous Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Spinal Cord:</b>											
<b>Astrocytoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Spinal Cord:</b>											
<b>Astrocytoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Spinal Cord:</b>											
<b>Glioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Spleen:</b>											
<b>Fibrosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Fibrous Histiocytoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: GAVAGE**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male				Female					
<b>*Spleen:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Sarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female			
<b>#Stomach, Forestomach:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Lipoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Testes:</b>								
<b>Adenoma</b>								
		44/50 (88%)	45/50 (90%)	48/50 (96%)				
<b>Overall Incidence</b>	Total	137/150 (91.33%)	Mean 91.33%	SD 4.16%				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female		
<b>*Testes:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%			
.....							
<b>*Thymus:</b>							
<b>Thymoma Benign</b>							
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	1/48 (2%)
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.69% SD 1.2%
.....							
<b>*Thymus:</b>							
<b>Thymoma Malignant</b>							
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	1/48 (2%)	0/48 (0%)
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.69% SD 1.2%
.....							
<b>*Thymus:</b>							
<b>Thymoma NOS</b>							
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0% SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma: Benign, Malignant, NOS</b>							
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	1/48 (2%)	1/48 (2%)
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	2/144 (1.39%)	Mean 1.39% SD 1.2%
.....							
<b>*Thyroid Gland: C-Cell:</b>							
<b>Adenoma</b>							
		6/50 (12%)	11/50 (22%)	1/50 (2%)	5/50 (10%)	6/50 (12%)	11/50 (22%)
<b>Overall Incidence</b>	Total	18/150 (12%)	Mean 12%	SD 10%	Total	22/150 (14.67%)	Mean 14.67% SD 6.43%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female			
<b>*Thyroid Gland: C-Cell: Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>								
		6/50 (12%)	11/50 (22%)	1/50 (2%)	5/50 (10%)	6/50 (12%)	12/50 (24%)	
<b>Overall Incidence</b>	Total	18/150 (12%)	Mean 12%	SD 10%	Total	23/150 (15.33%)	Mean 15.33%	SD 7.57%
.....								
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>								
		1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>								
		1/50 (2%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>#Tissue NOS: Lipoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>#Tissue NOS:</b>											
<b>Paraganglioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tooth:</b>											
<b>Adamantinoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tooth:</b>											
<b>Odontoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female					
<b>*Urinary Bladder: Carcinoma or Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Urinary Bladder: Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Urinary Bladder: Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Urinary Bladder: Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Uterus: Adenoma</b>											
						0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Uterus: Carcinoma</b>											
						0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/150	(0%)	Mean 0%	SD 0%	
.....											

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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	Male	Female
<b>#Uterus:</b> Deciduoma Benign		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Hemangioma		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Hemangiosarcoma		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Leiomyosarcoma		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Polyp Stromal		
Overall Incidence	Total 7/50 (14%) 23/150 (15.33%)	8/50 (16%) Mean 15.33% SD 1.15%
<b>#Uterus:</b> Sarcoma		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female		
<b>#Uterus:</b>							
<b>Sarcoma Stromal</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>#Uterus:</b>							
<b>Sarcoma Stromal or Polyp Stromal</b>							
			7/50 (14%)		8/50 (16%)		8/50 (16%)
<b>Overall Incidence</b>		Total	23/150 (15.33%)		Mean 15.33%		SD 1.15%
.....							
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			1/50 (2%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female			
<b>#Zymbal's Gland:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Zymbal's Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: INHALATION  
Vehicle: AIR

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Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
Male							
Battelle Northwest	052001105	07/14/03	729	50(5)	23(678)	526.9	1-Bromopropane
Battelle Northwest	059601105	06/04/01	729	50(5)	26(676)	540.9	Cumene
Battelle Northwest	059901705	08/25/03	729	50(5)	28(686)	525.6	Diethylamine
Battelle Northwest	058800603	08/06/01	729	50(5)	27(680)	537.2	alpha-Methylstyrene
Battelle Northwest	059700805	10/01/01	729	49(5)	27(683)	525.0	Propargyl alcohol
Battelle Northwest	059302507	06/16/03	729	50(5)	20(668)	536.2	Tetralin
Female							
Battelle Northwest	052001105	07/14/03	730	50(5)	34(702)	386.5	1-Bromopropane
Battelle Northwest	059601105	06/04/01	731	50(5)	21(674)	356.9	Cumene
Battelle Northwest	059901705	08/25/03	730	50(5)	31(687)	378.3	Diethylamine
Battelle Northwest	058800603	08/06/01	730	50(5)	27(647)	351.9	alpha-Methylstyrene
Battelle Northwest	059700805	10/01/01	730	50(5)	29(678)	353.3	Propargyl alcohol
Battelle Northwest	059302507	06/16/03	730	50(5)	31(682)	370.8	Tetralin

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		48/50 (96%)	48/50 (96%)	44/50 (88%)	45/50 (90%)	44/50 (88%)	43/50 (86%)
		48/50 (96%)	48/49 (98%)	48/50 (96%)	43/50 (86%)	42/50 (84%)	40/50 (80%)
<b>Overall Incidence</b>	Total	284/299 (94.98%)	Mean 94.99%	SD 3.51%	Total	257/300 (85.67%)	Mean 85.67% SD 3.44%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		38/50 (76%)	36/50 (72%)	31/50 (62%)	26/50 (52%)	24/50 (48%)	24/50 (48%)
		32/50 (64%)	32/49 (65%)	33/50 (66%)	25/50 (50%)	26/50 (52%)	25/50 (50%)
<b>Overall Incidence</b>	Total	202/299 (67.56%)	Mean 67.55%	SD 5.33%	Total	150/300 (50%)	Mean 50% SD 1.79%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)	50/50 (100%)	49/50 (98%)	49/50 (98%)	50/50 (100%)	48/50 (96%)
		50/50 (100%)	49/49 (100%)	50/50 (100%)	46/50 (92%)	47/50 (94%)	46/50 (92%)
<b>Overall Incidence</b>	Total	298/299 (99.67%)	Mean 99.67%	SD 0.82%	Total	286/300 (95.33%)	Mean 95.33% SD 3.27%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33% SD 0.82%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	2/300 (0.67%)	Mean 0.67% SD 1.63%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	1/50 (2%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	3/300 (1%)	Mean 1%	SD 1.67%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		29/50 (58%)	26/50 (52%)	25/50 (50%)		16/50 (32%)	12/50 (24%)	15/50 (30%)	
		26/50 (52%)	21/49 (43%)	25/50 (50%)		18/50 (36%)	20/50 (40%)	17/50 (34%)	
<b>Overall Incidence</b>	Total	152/299 (50.84%)	Mean 50.81%	SD 4.88%	Total	98/300 (32.67%)	Mean 32.67%	SD 5.47%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.34%	SD 2.42%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.34%	SD 2.42%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/299 (2.01%)	Mean 2.01%	SD 2.53%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/299 (2.01%)	Mean 2.01%	SD 2.53%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	4/50 (8%)		
		0/50 (0%)	0/49 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	8/50 (16%)		
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	17/300 (5.67%)	Mean 5.67%	SD 5.99%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		10/50 (20%)	7/50 (14%)	7/50 (14%)		2/50 (4%)	1/50 (2%)	0/50 (0%)	
		8/50 (16%)	8/49 (16%)	9/50 (18%)		1/49 (2%)	1/50 (2%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	49/299 (16.39%)	Mean 16.39%	SD 2.33%	Total	7/299 (2.34%)	Mean 2.34%	SD 1.5%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1%	SD 1.67%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)	3/49 (6%)	4/50 (8%)		0/49 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	11/299 (3.68%)	Mean 3.69%	SD 2.96%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		11/50 (22%)	7/50 (14%)	10/50 (20%)		3/50 (6%)	3/50 (6%)	0/50 (0%)	
		10/50 (20%)	10/49 (20%)	12/50 (24%)		1/49 (2%)	1/50 (2%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	60/299 (20.07%)	Mean 20.07%	SD 3.35%	Total	11/299 (3.68%)	Mean 3.67%	SD 2.65%	
.....									
<b>#Bone:</b>									
<b>Chondrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

Page: 144  
 Report Date: 03/20/2010

		Male				Female			
<b>#Bone:</b>									
<b>Chondrosarcoma or Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	3/300 (1%)	Mean 1%	SD 1.1%	
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Brain:</b>									
<b>Medulloblastoma Mal</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	5/300 (1.67%)	Mean 1.67%	SD 1.97%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		4/50 (8%)	0/50 (0%)	0/50 (0%)		3/49 (6%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	3/49 (6%)	0/50 (0%)		0/50 (0%)	4/50 (8%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	7/299 (2.34%)	Mean 2.35%	SD 3.69%	Total	9/299 (3.01%)	Mean 3.02%	SD 3.31%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		2/50 (4%)	0/50 (0%)	1/50 (2%)		1/49 (2%)	2/50 (4%)	0/50 (0%)	
		2/50 (4%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	4/50 (8%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 1.97%	Total	8/299 (2.68%)	Mean 2.67%	SD 3.01%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		6/50 (12%)	0/50 (0%)	1/50 (2%)		4/49 (8%)	3/50 (6%)	1/50 (2%)	
		2/50 (4%)	3/49 (6%)	0/50 (0%)		1/50 (2%)	4/50 (8%)	4/50 (8%)	
<b>Overall Incidence</b>	Total	12/299 (4.01%)	Mean 4.02%	SD 4.57%	Total	17/299 (5.69%)	Mean 5.69%	SD 2.97%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Clitoral/Preputial Gland:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		0/50 (0%)	1/50 (2%)	6/50 (12%)		0/50 (0%)	1/50 (2%)	2/50 (4%)	
		3/50 (6%)	4/49 (8%)	3/50 (6%)		3/50 (6%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	17/299 (5.69%)	Mean 5.69%	SD 4.29%	Total	7/300 (2.33%)	Mean 2.33%	SD 2.34%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		3/50 (6%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		1/50 (2%)	5/49 (10%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	13/299 (4.35%)	Mean 4.37%	SD 3.28%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		3/50 (6%)	3/50 (6%)	7/50 (14%)		1/50 (2%)	2/50 (4%)	2/50 (4%)	
		4/50 (8%)	9/49 (18%)	4/50 (8%)		3/50 (6%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	30/299 (10.03%)	Mean 10.06%	SD 5.02%	Total	9/300 (3%)	Mean 3%	SD 2.1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

Page: 154  
 Report Date: 03/20/2010

		Male				Female			
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Adenoma</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

Page: 155  
 Report Date: 03/20/2010

		Male				Female			
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		1/50 (2%)	2/50 (4%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1%	SD 1.67%	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>  Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>  Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Cholangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hepatocellular Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1.01%	SD 1.68%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1.01%	SD 1.68%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.34%	SD 1.64%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.34%	SD 1.64%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.34%	SD 1.64%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		1/50 (2%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.33%	SD 1.03%	Total	3/300 (1%)	Mean 1%	SD 1.1%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		3/50 (6%)	2/50 (4%)	1/50 (2%)		2/50 (4%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	8/299 (2.68%)	Mean 2.67%	SD 2.06%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.68%	SD 1.67%	Total	4/300 (1.33%)	Mean 1.33%	SD 2.42%	
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)		4/50 (8%)	10/50 (20%)	9/50 (18%)	9/50 (18%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		3/50 (6%)	7/50 (14%)	3/50 (6%)	3/50 (6%)
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.63%	Total	36/300 (12%)	Mean 12%	SD 6.2%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)		4/50 (8%)	10/50 (20%)	10/50 (20%)	
		0/50 (0%)	2/49 (4%)	0/50 (0%)		3/50 (6%)	10/50 (20%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.35%	SD 2.09%	Total	40/300 (13.33%)	Mean 13.33%	SD 7.34%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		2/50 (4%)	0/50 (0%)	2/50 (4%)		25/50 (50%)	24/50 (48%)	27/50 (54%)	
		1/50 (2%)	1/49 (2%)	1/50 (2%)		22/50 (44%)	26/50 (52%)	14/50 (28%)	
<b>Overall Incidence</b>	Total	7/299 (2.34%)	Mean 2.34%	SD 1.5%	Total	138/300 (46%)	Mean 46%	SD 9.47%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		2/50 (4%)	0/50 (0%)	2/50 (4%)		25/50 (50%)	24/50 (48%)	27/50 (54%)	
		1/50 (2%)	3/49 (6%)	1/50 (2%)		22/50 (44%)	28/50 (56%)	14/50 (28%)	
<b>Overall Incidence</b>	Total	9/299 (3.01%)	Mean 3.02%	SD 2.13%	Total	140/300 (46.67%)	Mean 46.67%	SD 10.09%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		2/50 (4%)	2/50 (4%)	2/50 (4%)		27/50 (54%)	31/50 (62%)	30/50 (60%)	
		1/50 (2%)	3/49 (6%)	1/50 (2%)		24/50 (48%)	31/50 (62%)	16/50 (32%)	
<b>Overall Incidence</b>	Total	11/299 (3.68%)	Mean 3.69%	SD 1.54%	Total	159/300 (53%)	Mean 53%	SD 11.64%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>#Mesentery:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/298 (0%)	Mean 0%	SD 0%	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Cystadenoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Benign</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Malignant</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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					Male						Female	
<b>*Ovary:</b>												
Granulosa Cell Tumor: Benign, Malignant, NOS												
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
					1/50	(2%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>					Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%	
.....												
<b>*Ovary:</b>												
Granulosa-Theca Tumor Benign												
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>					Total	0/300	(0%)	Mean	0%	SD	0%	
.....												
<b>*Ovary:</b>												
Granulosa-Theca Tumor Malignant												
					2/50	(4%)	0/50	(0%)	0/50	(0%)		
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>					Total	2/300	(0.67%)	Mean	0.67%	SD	1.63%	
.....												
<b>*Ovary:</b>												
Tubulostromal Adenoma												
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>					Total	0/300	(0%)	Mean	0%	SD	0%	
.....												
<b>*Pancreas:</b>												
Adenoma												
					0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
					0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/298	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%
											SD	0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Pancreas:</b>									
<b>  Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>  Mixed Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/298 (0.67%)	Mean 0.68%	SD 1.67%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>  Mixed Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Parathyroid Gland:</b>									
<b>  Adenoma</b>									
		0/46 (0%)	0/45 (0%)	0/48 (0%)		0/47 (0%)	0/49 (0%)	1/43 (2%)	
		0/47 (0%)	0/47 (0%)	0/48 (0%)		0/43 (0%)	0/49 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/281 (0%)	Mean 0%	SD 0%	Total	1/280 (0.36%)	Mean 0.39%	SD 0.95%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		37/50 (74%)	36/50 (72%)	31/50 (62%)		35/50 (70%)	35/50 (70%)	29/50 (58%)	
		34/49 (69%)	36/49 (73%)	36/50 (72%)		35/50 (70%)	30/50 (60%)	36/49 (73%)	
<b>Overall Incidence</b>	Total	210/298 (70.47%)	Mean 70.48%	SD 4.45%	Total	200/299 (66.89%)	Mean 66.91%	SD 6.31%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	2/50 (4%)	
		0/49 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	3/299 (1%)	Mean 1%	SD 1.67%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		37/50 (74%)	36/50 (72%)	31/50 (62%)		35/50 (70%)	36/50 (72%)	31/50 (62%)	
		34/49 (69%)	36/49 (73%)	37/50 (74%)		35/50 (70%)	30/50 (60%)	36/49 (73%)	
<b>Overall Incidence</b>	Total	211/298 (70.81%)	Mean 70.81%	SD 4.66%	Total	203/299 (67.89%)	Mean 67.91%	SD 5.55%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%	Total	0/299 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	1/298 (0.34%)	Mean 0.34%	SD 0.83%	<b>Total</b>	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Nervosa:</b>									
<b>  Craniopharyngioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	0/298 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	0/49 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/299 (0%)	Mean 0%	SD 0%					
.....									
<b>*Prostate:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	0/49 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/299 (0%)	Mean 0%	SD 0%					
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	0/299 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	0/49 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%					
.....									
<b>#Skeletal Muscle:</b>									
<b>  Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.34%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.34%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female								
<b>#Skin:</b>														
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>														
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	1/49	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	4/299 (1.34%)		Mean	1.34%	SD	1.04%	Total	1/300 (0.33%)		Mean	0.33%	SD	0.82%
.....														
<b>#Skin:</b>														
<b>Basal Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)		Mean	1.33%	SD	2.42%	Total	0/300 (0%)		Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)		Mean	1.33%	SD	2.42%	Total	0/300 (0%)		Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>														
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	1/49	(2%)	4/50	(8%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	8/299 (2.68%)		Mean	2.67%	SD	2.73%	Total	1/300 (0.33%)		Mean	0.33%	SD	0.82%
.....														
<b>#Skin:</b>														
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>														
		1/50	(2%)	5/50	(10%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	
		2/50	(4%)	5/49	(10%)	5/50	(10%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	
<b>Overall Incidence</b>	Total	19/299 (6.35%)		Mean	6.37%	SD	4.12%	Total	4/300 (1.33%)		Mean	1.33%	SD	1.03%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#Skin:</b>									
<b>Fibroma</b>									
		3/50 (6%)	3/50 (6%)	1/50 (2%)		2/50 (4%)	0/50 (0%)	1/50 (2%)	
		4/50 (8%)	3/49 (6%)	3/50 (6%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	17/299 (5.69%)	Mean 5.69%	SD 1.97%	Total	5/300 (1.67%)	Mean 1.67%	SD 1.51%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		3/50 (6%)	3/50 (6%)	2/50 (4%)		2/50 (4%)	1/50 (2%)	1/50 (2%)	
		5/50 (10%)	4/49 (8%)	6/50 (12%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	23/299 (7.69%)	Mean 7.69%	SD 2.95%	Total	7/300 (2.33%)	Mean 2.33%	SD 1.51%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		1/50 (2%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/299 (2.01%)	Mean 2.01%	SD 2.19%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		0/50 (0%)	4/50 (8%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	4/49 (8%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	10/299 (3.34%)	Mean 3.36%	SD 3.77%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.68%	SD 1.99%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

Page: 173  
 Report Date: 03/20/2010

		Male				Female			
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

Page: 174  
 Report Date: 03/20/2010

		Male				Female			
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

Page: 175  
 Report Date: 03/20/2010

		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		1/50 (2%)	4/50 (8%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	4/49 (8%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	11/299 (3.68%)	Mean 3.69%	SD 3.49%	Total	3/300 (1%)	Mean 1%	SD 1.1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		0/50 (0%)	4/50 (8%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	4/49 (8%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	10/299 (3.34%)	Mean 3.36%	SD 3.77%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

Page: 176  
 Report Date: 03/20/2010

		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

Page: 177  
 Report Date: 03/20/2010

		Male				Female			
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

Page: 178  
 Report Date: 03/20/2010

		Male				Female			
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

Page: 179  
 Report Date: 03/20/2010

		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		34/50 (68%)	36/50 (72%)	36/50 (72%)					
		33/50 (66%)	38/49 (78%)	29/50 (58%)					
<b>Overall Incidence</b>	Total	206/299 (68.9%)	Mean 68.93%	SD 6.66%					
.....									
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	0/49 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)		1/46 (2%)	0/48 (0%)	0/48 (0%)	
		0/42 (0%)	1/47 (2%)	0/47 (0%)		1/50 (2%)	0/46 (0%)	0/44 (0%)	
<b>Overall Incidence</b>	Total	1/272 (0.37%)	Mean 0.35%	SD 0.87%	Total	2/282 (0.71%)	Mean 0.7%	SD 1.08%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)		0/46 (0%)	0/48 (0%)	0/48 (0%)	
		0/42 (0%)	0/47 (0%)	0/47 (0%)		0/50 (0%)	0/46 (0%)	0/44 (0%)	
<b>Overall Incidence</b>	Total	0/272 (0%)	Mean 0%	SD 0%	Total	0/282 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)		0/46 (0%)	0/48 (0%)	1/48 (2%)	
		0/42 (0%)	0/47 (0%)	0/47 (0%)		0/50 (0%)	0/46 (0%)	0/44 (0%)	
<b>Overall Incidence</b>	Total	0/272 (0%)	Mean 0%	SD 0%	Total	1/282 (0.35%)	Mean 0.35%	SD 0.85%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)		1/46 (2%)	0/48 (0%)	1/48 (2%)	
		0/42 (0%)	1/47 (2%)	0/47 (0%)		1/50 (2%)	0/46 (0%)	0/44 (0%)	
<b>Overall Incidence</b>	Total	1/272 (0.37%)	Mean 0.35%	SD 0.87%	Total	3/282 (1.06%)	Mean 1.04%	SD 1.14%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		5/50 (10%)	3/50 (6%)	7/50 (14%)		3/50 (6%)	3/50 (6%)	4/50 (8%)	
		3/49 (6%)	4/49 (8%)	5/50 (10%)		2/50 (4%)	3/50 (6%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	27/298 (9.06%)	Mean 9.05%	SD 3%	Total	18/300 (6%)	Mean 6%	SD 1.26%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		4/50 (8%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	3/49 (6%)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	11/298 (3.69%)	Mean 3.69%	SD 2.96%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		9/50 (18%)	3/50 (6%)	8/50 (16%)	4/50 (8%)	3/50 (6%)	4/50 (8%)	4/50 (8%)	4/50 (8%)
		3/49 (6%)	7/49 (14%)	6/50 (12%)	3/50 (6%)	5/50 (10%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
<b>Overall Incidence</b>	Total	36/298 (12.08%)	Mean 12.07%	SD 5.05%	Total	22/300 (7.33%)	Mean 7.33%	SD 1.63%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/298 (0.67%)	Mean 0.67%	SD 1.63%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/298 (1.01%)	Mean 1.01%	SD 1.68%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 03/20/2010

		Male				Female			
<b>#Tissue NOS:</b>									
Lipoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS:</b>									
Paraganglioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Tongue:</b>									
Squamous Cell Carcinoma or Papilloma Squamous									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Tongue:</b>									
Squamous Cell Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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 Report Date: 03/20/2010

		Male				Female			
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

Page: 184  
 Report Date: 03/20/2010

		Male				Female			
<b>*Urinary Bladder:</b>									
<b>Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Adenoma</b>									
						0/50 (0%)	0/50 (0%)	1/50 (2%)	
						0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total				Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>#Uterus:</b>									
<b>Carcinoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total				Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Uterus:</b>									
<b>Deciduoma Benign</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Hemangioma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

Page: 185  
 Report Date: 03/20/2010

	Male	Female
<b>#Uterus:</b>		
<b>Hemangiosarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total 1/300 (0.33%)	Mean 0.33% SD 0.82%
.....		
<b>#Uterus:</b>		
<b>Leiomyosarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/300 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Polyp Stromal</b>		
	8/50 (16%)	13/50 (26%)
	6/50 (12%)	12/50 (24%)
<b>Overall Incidence</b>	Total 53/300 (17.67%)	Mean 17.67% SD 5.99%
.....		
<b>#Uterus:</b>		
<b>Sarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/300 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Sarcoma Stromal</b>		
	2/50 (4%)	1/50 (2%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 3/300 (1%)	Mean 1% SD 1.67%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

Page: 186  
 Report Date: 03/20/2010

		Male			Female			
<b>#Uterus:</b>								
<b>Sarcoma Stromal or Polyp Stromal</b>								
			10/50 (20%)		14/50 (28%)		8/50 (16%)	
			6/50 (12%)		12/50 (24%)		6/50 (12%)	
<b>Overall Incidence</b>			Total 56/300 (18.67%)		Mean 18.67%		SD 6.53%	
.....								
<b>#Uterus:</b>								
<b>Schwannoma Malignant</b>								
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>			Total 0/300 (0%)		Mean 0%		SD 0%	
.....								
<b>#Vagina:</b>								
<b>Polyp</b>								
			0/50 (0%)		2/50 (4%)		0/50 (0%)	
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>			Total 2/300 (0.67%)		Mean 0.67%		SD 1.63%	
.....								
<b>#Vagina:</b>								
<b>Sarcoma</b>								
			1/50 (2%)		0/50 (0%)		0/50 (0%)	
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>			Total 1/300 (0.33%)		Mean 0.33%		SD 0.82%	
.....								
<b>#Zymbal's Gland:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.63%	Total	0/300 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

Page: 187  
 Report Date: 03/20/2010

		Male				Female			
<b>#Zymbal's Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	3/300 (1%)	Mean 1%	SD 1.1%	
.....									
<b>#Zymbal's Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1%	SD 1.67%	Total	3/300 (1%)	Mean 1%	SD 1.1%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: ORAL  
Vehicle: FEED

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Report Date: 03/20/2010

### Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Southern Research Institute	059902703	08/12/02	729	50(3)	37(705)	452.8	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	08/05/02	729	50(3)	33(703)	510.0	Cresols
Southern Research Institute	059900705	04/21/03	729	50(3)	33(679)	460.9	Goldenseal root powder
Southern Research Institute	052000803	03/04/03	729	50(3)	36(704)	452.1	Milk thistle extract
<b>Female</b>							
Southern Research Institute	059902703	08/12/02	733	50(5)	36(702)	314.7	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	N/A	N/A	0(0)	0(0)	N/A	Cresols
Southern Research Institute	059900705	04/21/03	731	50(5)	30(699)	326.0	Goldenseal root powder
Southern Research Institute	052000803	03/04/03	732	50(5)	38(693)	328.4	Milk thistle extract

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

Page: 189  
 Report Date: 03/20/2010

		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		49/50 (98%)	50/50 (100%)	47/50 (94%)	45/50 (90%)	46/50 (92%)	
		50/50 (100%)			39/50 (78%)		
<b>Overall Incidence</b>	Total	196/200 (98%)	Mean 98%	SD 2.83%	Total 130/150 (86.67%)	Mean 86.67%	SD 7.57%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		27/50 (54%)	23/50 (46%)	29/50 (58%)	15/50 (30%)	19/50 (38%)	
		26/50 (52%)			18/50 (36%)		
<b>Overall Incidence</b>	Total	105/200 (52.5%)	Mean 52.5%	SD 5%	Total 52/150 (34.67%)	Mean 34.67%	SD 4.16%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)	50/50 (100%)	50/50 (100%)	47/50 (94%)	48/50 (96%)	
		50/50 (100%)			46/50 (92%)		
<b>Overall Incidence</b>	Total	200/200 (100%)	Mean 100%	SD 0%	Total 141/150 (94%)	Mean 94%	SD 2%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total 0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)		1/50 (2%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 3%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		19/50 (38%)	15/50 (30%)	21/50 (42%)		9/50 (18%)		9/50 (18%)	
		17/50 (34%)				6/50 (12%)			
<b>Overall Incidence</b>	Total	72/200 (36%)	Mean 36%	SD 5.16%	Total	24/150 (16%)	Mean 16%	SD 3.46%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)		1/50 (2%)	
		2/50 (4%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	3/148 (2.03%)	Mean 2%	SD 2%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)		0/48 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)		0/48 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		8/50 (16%)	8/50 (16%)	5/49 (10%)		1/50 (2%)		0/48 (0%)	
		5/50 (10%)				1/48 (2%)			
<b>Overall Incidence</b>	Total	26/199 (13.07%)	Mean 13.05%	SD 3.41%	Total	2/146 (1.37%)	Mean 1.36%	SD 1.18%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)		0/48 (0%)	
		1/50 (2%)				1/48 (2%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/146 (0.68%)	Mean 0.69%	SD 1.2%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		3/50 (6%)	0/50 (0%)	1/49 (2%)		2/50 (4%)		0/48 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.01%	SD 2.83%	Total	2/146 (1.37%)	Mean 1.33%	SD 2.31%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		11/50 (22%)	8/50 (16%)	6/49 (12%)		3/50 (6%)		0/48 (0%)	
		6/50 (12%)				2/48 (4%)			
<b>Overall Incidence</b>	Total	31/199 (15.58%)	Mean 15.56%	SD 4.67%	Total	5/146 (3.42%)	Mean 3.39%	SD 3.07%	
.....									
<b>#Bone:</b>									
<b>Chondrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

#: Denominator is number of animals with tissues examined microscopically

\*: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
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		Male				Female			
<b>#Bone:</b>									
<b>Chondrosarcoma or Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		2/50 (4%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male				Female			
<b>*Brain:</b>									
<b>Medulloblastoma Mal</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		1/50 (2%)	5/50 (10%)	0/50 (0%)		10/50 (20%)	5/50 (10%)		
		1/50 (2%)				11/50 (22%)			
<b>Overall Incidence</b>	Total	7/200 (3.5%)	Mean 3.5%	SD 4.43%	Total	26/150 (17.33%)	Mean 17.33%	SD 6.43%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	4/50 (8%)		
		2/50 (4%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 2.31%	Total	7/150 (4.67%)	Mean 4.67%	SD 4.16%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	5/50 (10%)	2/50 (4%)		10/50 (20%)	9/50 (18%)		
		3/50 (6%)				14/50 (28%)			
<b>Overall Incidence</b>	Total	11/200 (5.5%)	Mean 5.5%	SD 3.42%	Total	33/150 (22%)	Mean 22%	SD 5.29%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Clitoral/Preputial Gland:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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 Report Date: 03/20/2010

		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		1/50 (2%)	1/49 (2%)	7/50 (14%)		2/49 (4%)		0/49 (0%)	
		3/50 (6%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6.01%	SD 5.65%	Total	2/146 (1.37%)	Mean 1.36%	SD 2.36%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/49 (0%)		0/49 (0%)	
		1/50 (2%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		2/50 (4%)	2/49 (4%)	7/50 (14%)		2/49 (4%)		0/49 (0%)	
		4/50 (8%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	15/199 (7.54%)	Mean 7.52%	SD 4.71%	Total	2/146 (1.37%)	Mean 1.36%	SD 2.36%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>  Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>  Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		1/49 (2%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.68%	SD 1.18%	
.....									
<b>*Liver:</b>									
<b>  Cholangioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hepatocellular Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		2/50 (4%)		0/50 (0%)	
		3/50 (6%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		2/50 (4%)		0/50 (0%)	
		3/50 (6%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		2/50 (4%)		0/50 (0%)	
		3/50 (6%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)		
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	1/50 (2%)		
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	3/150 (2%)	Mean 2%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)		2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	3/150 (2%)	Mean 2%	SD 2%	
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		4/50 (8%)	
		0/50 (0%)				4/50 (8%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	8/150 (5.33%)	Mean 5.33%	SD 4.62%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)		6/50 (12%)	
		0/50 (0%)				4/50 (8%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	11/150 (7.33%)	Mean 7.33%	SD 5.03%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		2/50 (4%)	0/50 (0%)	1/50 (2%)		29/50 (58%)		30/50 (60%)	
		0/50 (0%)				28/50 (56%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	87/150 (58%)	Mean 58%	SD 2%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		2/50 (4%)	1/50 (2%)	1/50 (2%)		30/50 (60%)		30/50 (60%)	
		0/50 (0%)				28/50 (56%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	88/150 (58.67%)	Mean 58.67%	SD 2.31%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		2/50 (4%)	1/50 (2%)	1/50 (2%)		30/50 (60%)		31/50 (62%)	
		0/50 (0%)				28/50 (56%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	89/150 (59.33%)	Mean 59.33%	SD 3.06%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>#Mesentery:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Cystadenoma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Benign</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Malignant</b>									
						0/50 (0%)		0/50 (0%)	
						2/50 (4%)			
<b>Overall Incidence</b>	Total				Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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 Report Date: 03/20/2010

		Male				Female			
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>									
				0/50 (0%)				0/50 (0%)	
				2/50 (4%)					
<b>Overall Incidence</b>				Total	2/150 (1.33%)		Mean	1.33%	SD 2.31%
.....									
<b>*Ovary:</b>									
<b>Granulosa-Theca Tumor Benign</b>									
				1/50 (2%)				0/50 (0%)	
				0/50 (0%)					
<b>Overall Incidence</b>				Total	1/150 (0.67%)		Mean	0.67%	SD 1.15%
.....									
<b>*Ovary:</b>									
<b>Granulosa-Theca Tumor Malignant</b>									
				0/50 (0%)				0/50 (0%)	
				0/50 (0%)					
<b>Overall Incidence</b>				Total	0/150 (0%)		Mean	0%	SD 0%
.....									
<b>*Ovary:</b>									
<b>Tubulostromal Adenoma</b>									
				0/50 (0%)				0/50 (0%)	
				0/50 (0%)					
<b>Overall Incidence</b>				Total	0/150 (0%)		Mean	0%	SD 0%
.....									
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)		0/49 (0%)	
		2/50 (4%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	0/146 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			0/49 (0%)
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)		
		2/50 (4%)				0/48 (0%)			0/49 (0%)
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			0/49 (0%)
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/49 (0%)	0/49 (0%)	1/50 (2%)		0/49 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			0/49 (0%)
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		1/45 (2%)	1/46 (2%)	0/49 (0%)		0/48 (0%)	0/49 (0%)		
		0/50 (0%)				0/49 (0%)			0/49 (0%)
<b>Overall Incidence</b>	Total	2/190 (1.05%)	Mean 1.1%	SD 1.27%	Total	0/146 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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 Report Date: 03/20/2010

		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		10/50 (20%)	20/50 (40%)	8/50 (16%)		24/49 (49%)		25/50 (50%)	
		13/50 (26%)				20/50 (40%)			
<b>Overall Incidence</b>	Total	51/200 (25.5%)	Mean 25.5%	SD 10.5%	Total	69/149 (46.31%)	Mean 46.33%	SD 5.5%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%)		0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/149 (1.34%)	Mean 1.35%	SD 1.17%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		10/50 (20%)	20/50 (40%)	8/50 (16%)		25/49 (51%)		25/50 (50%)	
		13/50 (26%)				21/50 (42%)			
<b>Overall Incidence</b>	Total	51/200 (25.5%)	Mean 25.5%	SD 10.5%	Total	71/149 (47.65%)	Mean 47.67%	SD 4.94%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/149 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female				
<b>*Pituitary Gland: Pars Intermedia:</b>										
<b>Carcinoma or Adenoma</b>										
		0/50 (0%)	1/50 (2%)	0/50 (0%)			0/49 (0%)	0/50 (0%)		
		0/50 (0%)					0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/149 (0%)	Mean 0%	SD 0%		
.....										
<b>*Pituitary Gland: Pars Nervosa:</b>										
<b>Craniopharyngioma</b>										
		0/50 (0%)	0/50 (0%)	0/50 (0%)			0/49 (0%)	0/50 (0%)		
		0/50 (0%)					0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%		
.....										
<b>*Prostate:</b>										
<b>Adenoma</b>										
		0/50 (0%)	0/50 (0%)	1/50 (2%)						
		0/50 (0%)								
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%						
.....										
<b>*Prostate:</b>										
<b>Carcinoma or Adenoma</b>										
		0/50 (0%)	0/50 (0%)	1/50 (2%)						
		0/50 (0%)								
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%						
.....										
<b>*Salivary Glands:</b>										
<b>Carcinoma</b>										
		0/50 (0%)	0/49 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
		0/48 (0%)					0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%					
.....									
<b>#Skeletal Muscle:</b>									
<b>  Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		4/50 (8%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		1/50 (2%)	
		6/50 (12%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	13/200 (6.5%)	Mean 6.5%	SD 4.43%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Fibroma</b>									
		4/50 (8%)	1/50 (2%)	5/50 (10%)		0/50 (0%)		1/50 (2%)	
		3/50 (6%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	13/200 (6.5%)	Mean 6.5%	SD 3.42%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		4/50 (8%)	4/50 (8%)	5/50 (10%)		0/50 (0%)		3/50 (6%)	
		4/50 (8%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	17/200 (8.5%)	Mean 8.5%	SD 1%	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)		2/50 (4%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 2.83%	Total	3/150 (2%)	Mean 2%	SD 2%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		4/50 (8%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	10/200 (5%)	Mean 5%	SD 2.58%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)		2/50 (4%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		2/50 (4%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		6/50 (12%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	12/200 (6%)	Mean 6%	SD 4.32%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		5/50 (10%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	11/200 (5.5%)	Mean 5.5%	SD 3.42%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/49 (0%)	1/49 (2%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.51%	SD 1.02%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
-----									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
-----									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
-----									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
-----									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		46/50 (92%)	49/50 (98%)	42/50 (84%)					
		46/50 (92%)							
<b>Overall Incidence</b>	Total	183/200 (91.5%)	Mean 91.5%	SD 5.74%					
.....									
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/48 (0%)	0/47 (0%)	1/48 (2%)		0/46 (0%)		0/49 (0%)	
		0/41 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/184 (0.54%)	Mean 0.52%	SD 1.04%	Total	0/145 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/48 (0%)	0/47 (0%)	0/48 (0%)		0/46 (0%)		0/49 (0%)	
		0/41 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/184 (0%)	Mean 0%	SD 0%	Total	0/145 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/48 (0%)	0/47 (0%)	0/48 (0%)		0/46 (0%)		0/49 (0%)	
		0/41 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/184 (0%)	Mean 0%	SD 0%	Total	0/145 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/48 (0%)	0/47 (0%)	1/48 (2%)		0/46 (0%)		0/49 (0%)	
		0/41 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/184 (0.54%)	Mean 0.52%	SD 1.04%	Total	0/145 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		5/50 (10%)	6/50 (12%)	7/50 (14%)		3/49 (6%)		4/50 (8%)	
		5/48 (10%)				2/47 (4%)			
<b>Overall Incidence</b>	Total	23/198 (11.62%)	Mean 11.6%	SD 1.81%	Total	9/146 (6.16%)	Mean 6.13%	SD 1.87%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		4/50 (8%)	1/50 (2%)	1/50 (2%)		1/49 (2%)		1/50 (2%)	
		1/48 (2%)				0/47 (0%)			
<b>Overall Incidence</b>	Total	7/198 (3.54%)	Mean 3.52%	SD 2.99%	Total	2/146 (1.37%)	Mean 1.35%	SD 1.17%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		9/50 (18%)	7/50 (14%)	8/50 (16%)		4/49 (8%)		5/50 (10%)	
		6/48 (13%)				2/47 (4%)			
<b>Overall Incidence</b>	Total	30/198 (15.15%)	Mean 15.12%	SD 2.39%	Total	11/146 (7.53%)	Mean 7.47%	SD 2.93%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/48 (0%)				0/47 (0%)			
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/48 (0%)				1/47 (2%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	1/146 (0.68%)	Mean 0.71%	SD 1.23%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/48 (0%)				1/47 (2%)			
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	1/146 (0.68%)	Mean 0.71%	SD 1.23%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Tissue NOS:</b>									
Lipoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS:</b>									
Paraganglioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
Squamous Cell Carcinoma or Papilloma Squamous									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Tongue:</b>									
Squamous Cell Papilloma									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma or Papilloma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>Papilloma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Adenoma</b>									
						0/50 (0%)		0/50 (0%)	
						1/50 (2%)			
<b>Overall Incidence</b>	Total				Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Uterus:</b>									
<b>Carcinoma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Deciduoma Benign</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Hemangioma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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	Male	Female
<b>#Uterus:</b>		
<b>Hemangiosarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Leiomyosarcoma</b>		
	0/50 (0%)	1/50 (2%)
	0/50 (0%)	
<b>Overall Incidence</b>	Total 1/150 (0.67%)	Mean 0.67% SD 1.15%
.....		
<b>#Uterus:</b>		
<b>Polyp Stromal</b>		
	10/50 (20%)	14/50 (28%)
	10/50 (20%)	
<b>Overall Incidence</b>	Total 34/150 (22.67%)	Mean 22.67% SD 4.62%
.....		
<b>#Uterus:</b>		
<b>Sarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Sarcoma Stromal</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Uterus:</b>									
<b>Sarcoma Stromal or Polyp Stromal</b>									
		10/50 (20%)				14/50 (28%)			
		10/50 (20%)							
<b>Overall Incidence</b>		Total		34/150 (22.67%)		Mean 22.67%		SD 4.62%	
.....									
<b>#Uterus:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)				0/50 (0%)			
		0/50 (0%)							
<b>Overall Incidence</b>		Total		0/150 (0%)		Mean 0%		SD 0%	
.....									
<b>#Vagina:</b>									
<b>Polyp</b>									
		0/50 (0%)				0/50 (0%)			
		0/50 (0%)							
<b>Overall Incidence</b>		Total		0/150 (0%)		Mean 0%		SD 0%	
.....									
<b>#Vagina:</b>									
<b>Sarcoma</b>									
		0/50 (0%)				0/50 (0%)			
		0/50 (0%)							
<b>Overall Incidence</b>		Total		0/150 (0%)		Mean 0%		SD 0%	
.....									
<b>#Zymbal's Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/200 (0%)		Mean 0%		SD 0%		Total 0/150 (0%)	
						Mean 0%		SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Zymbal's Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Zymbal's Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: ORAL  
Vehicle: WATER

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### Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Southern Research Institute	052011407	10/02/02	730	50(3)	28(696)	532.4	Sodium dichromate dihydrate (VI)
Southern Research Institute	059601905	09/26/01	729	50(3)	31(686)	526.0	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601505	09/05/01	729	50(3)	31(692)	507.8	Water disinfection byproducts (Dibromoacetonitrile)
<b>Female</b>							
Southern Research Institute	052011407	10/02/02	735	50(5)	33(700)	351.2	Sodium dichromate dihydrate (VI)
Southern Research Institute	059601905	09/26/01	731	50(5)	34(688)	357.3	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601505	09/05/01	734	50(5)	29(689)	337.6	Water disinfection byproducts (Dibromoacetonitrile)

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		49/50 (98%)	50/50 (100%)	50/50 (100%)	47/50 (94%)	49/50 (98%)	44/50 (88%)
<b>Overall Incidence</b>	Total	149/150 (99.33%)	Mean 99.33%	SD 1.15%	Total 140/150 (93.33%)	Mean 93.33%	SD 5.03%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		29/50 (58%)	27/50 (54%)	27/50 (54%)	20/50 (40%)	18/50 (36%)	20/50 (40%)
<b>Overall Incidence</b>	Total	83/150 (55.33%)	Mean 55.33%	SD 2.31%	Total 58/150 (38.67%)	Mean 38.67%	SD 2.31%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)	50/50 (100%)	50/50 (100%)	49/50 (98%)	49/50 (98%)	48/50 (96%)
<b>Overall Incidence</b>	Total	150/150 (100%)	Mean 100%	SD 0%	Total 146/150 (97.33%)	Mean 97.33%	SD 1.15%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>#All Organs:</b>							
<b>Histiocytic Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Erythrocytic</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>							
		26/50 (52%)	21/50 (42%)	21/50 (42%)	8/50 (16%)	15/50 (30%)	14/50 (28%)
<b>Overall Incidence</b>	Total	68/150 (45.33%)	Mean 45.33%	SD 5.77%	Total	37/150 (24.67%)	Mean 24.67% SD 7.57%
.....							
<b>#All Organs:</b>							
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign, Malignant, NOS</b>							
		2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		2/50 (4%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/147 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/147 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		6/49 (12%)	9/50 (18%)	10/50 (20%)		2/49 (4%)	2/49 (4%)	1/49 (2%)	
<b>Overall Incidence</b>	Total	25/149 (16.78%)	Mean 16.75%	SD 4.03%	Total	5/147 (3.4%)	Mean 3.4%	SD 1.18%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/147 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		1/49 (2%)	1/50 (2%)	0/50 (0%)		1/49 (2%)	2/49 (4%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	2/149 (1.34%)	Mean 1.35%	SD 1.17%	Total	3/147 (2.04%)	Mean 2.04%	SD 2.04%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		7/49 (14%)	10/50 (20%)	10/50 (20%)		3/49 (6%)	4/49 (8%)	1/49 (2%)	
<b>Overall Incidence</b>	Total	27/149 (18.12%)	Mean 18.1%	SD 3.3%	Total	8/147 (5.44%)	Mean 5.44%	SD 3.12%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male				Female					
<b>#Bone:</b>											
<b>Chondrosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Bone:</b>											
<b>Chondrosarcoma or Chondroma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Bone:</b>											
<b>Chordoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma or Osteoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male				Female					
<b>*Brain:</b>											
<b>Astrocytoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Ependymoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Ependymoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Glioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Granular Cell Tumor Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Medulloblastoma Mal</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female					
<b>*Brain:</b>											
<b>Oligodendroglioma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Adenoma</b>											
		4/50	(8%)	4/50	(8%)	1/48	(2%)	2/50	(4%)	17/50	(34%)
<b>Overall Incidence</b>	Total	9/148	(6.08%)	Mean 6.03%	SD 3.42%	Total	24/150	(16%)	Mean 16%	SD 15.87%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female			
<b>*Clitoral/Preputial Gland: Carcinoma</b>								
<b>Overall Incidence</b>	Total	1/50 (2%) 3/148 (2.03%)	2/50 (4%) Mean 2%	0/48 (0%) SD 2%	Total	8/50 (16%) 9/150 (6%)	0/50 (0%) Mean 6%	1/50 (2%) SD 8.72%
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>								
<b>Overall Incidence</b>	Total	4/50 (8%) 10/148 (6.76%)	5/50 (10%) Mean 6.69%	1/48 (2%) SD 4.12%	Total	10/50 (20%) 33/150 (22%)	17/50 (34%) Mean 22%	6/50 (12%) SD 11.14%
<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/48 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Clitoral/Preputial Gland: Sarcoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/48 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>#Ear: Neural Crest Tumor</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>#Esophagus: Fibrosarcoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female					
<b>#Esophagus:</b>											
<b>Lipoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Eye:</b>											
<b>Melanoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Eye:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>*Heart:</b>							
<b>Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....							
<b>#Intestine Large: Colon/Rectum:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Intestine Large: Colon/Rectum:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....							
<b>#Intestine Large: Colon/Rectum:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....							
<b>#Intestine Large: Colon/Rectum:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Intestine Small: Duodenum:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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 Report Date: 03/20/2010

		Male			Female		
<b>#Intestine Small: Duodenum:</b>							
<b>Leiomyoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....							
<b>#Intestine Small: Ileum:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Granular Cell Tumor Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Leiomyoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Leiomyosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male				Female					
<b>#Intestine Small: Site Unspecified: Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male			Female			
<b>*Islets, Pancreatic:</b>								
<b>Adenoma</b>								
		4/50 (8%)	3/50 (6%)	5/49 (10%)	2/50 (4%)	3/49 (6%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	12/149 (8.05%)	Mean 8.07%	SD 2.1%	Total	6/149 (4.03%)	Mean 4.04%	SD 2.06%
.....								
<b>*Islets, Pancreatic:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	2/50 (4%)	1/49 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/149 (2.01%)	Mean 2.01%	SD 2%	Total	0/149 (0%)	Mean 0%	SD 0%
.....								
<b>*Islets, Pancreatic:</b>								
<b>Carcinoma or Adenoma</b>								
		4/50 (8%)	5/50 (10%)	6/49 (12%)	2/50 (4%)	3/49 (6%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	15/149 (10.07%)	Mean 10.08%	SD 2.12%	Total	6/149 (4.03%)	Mean 4.04%	SD 2.06%
.....								
<b>*Kidney: Pelvis and Transitional Epithelium:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Kidney: Pelvis and Transitional Epithelium:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Kidney: Pelvis and Transitional Epithelium:</b>								
<b>Papilloma</b>								
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male			Female		
<b>*Kidney: Renal Tubule: Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>*Kidney: Renal Tubule: Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male			Female			
<b>*Kidney: Renal Tubule:</b>								
<b>  Mesenchymal Tumor Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Kidney: Renal Tubule:</b>								
<b>  Nephroblastoma</b>								
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Kidney: Renal Tubule:</b>								
<b>  Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>  Cholangioma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>  Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>  Hepatocellular Adenoma</b>								
		0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		4/50 (8%)	2/50 (4%)	3/50 (6%)		4/50 (8%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	9/150 (6%)	Mean 6%	SD 2%	Total	6/150 (4%)	Mean 4%	SD 3.46%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		4/50 (8%)	3/50 (6%)	4/50 (8%)		4/50 (8%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	11/150 (7.33%)	Mean 7.33%	SD 1.15%	Total	6/150 (4%)	Mean 4%	SD 3.46%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male			Female			
<b>#Mammary Gland:</b>								
<b>Adenolipoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Mammary Gland:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>#Mammary Gland:</b>								
<b>Carcinoma</b>								
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	3/150 (2%)	Mean 2%	SD 2%
.....								
<b>#Mammary Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%
.....								
<b>#Mammary Gland:</b>								
<b>Fibroadenoma</b>								
		2/50 (4%)	3/50 (6%)	6/50 (12%)	37/50 (74%)	43/50 (86%)	31/50 (62%)	
<b>Overall Incidence</b>	Total	11/150 (7.33%)	Mean 7.33%	SD 4.16%	Total	111/150 (74%)	Mean 74%	SD 12%
.....								
<b>#Mammary Gland:</b>								
<b>Fibroma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male			Female		
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma or Adenoma</b>							
		2/50 (4%)	3/50 (6%)	6/50 (12%)	37/50 (74%)	43/50 (86%)	31/50 (62%)
<b>Overall Incidence</b>	Total	11/150 (7.33%)	Mean 7.33%	SD 4.16%	Total	111/150 (74%)	Mean 74% SD 12%
.....							
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>							
		3/50 (6%)	3/50 (6%)	6/50 (12%)	37/50 (74%)	43/50 (86%)	31/50 (62%)
<b>Overall Incidence</b>	Total	12/150 (8%)	Mean 8%	SD 3.46%	Total	111/150 (74%)	Mean 74% SD 12%
.....							
<b>#Mesentery:</b>							
<b>Fibrous Histiocytoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Mesentery:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Mesentery:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Mesentery:</b>							
<b>Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female					
<b>*Nose:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Nose:</b>											
<b>Chondroma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Nose:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>											
<b>Papilloma Squamous or Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	3/150	(2%)	Mean 2%	SD 0%	
.....											
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>											
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	3/150	(2%)	Mean 2%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female					
<b>#Oral Mucosa:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Oral Mucosa:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Ovary:</b>											
<b>Cystadenoma</b>											
						0/49	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/149	(0%)	Mean 0%	SD 0%	
.....											
<b>*Ovary:</b>											
<b>Granulosa Cell Tumor Benign</b>											
						0/49	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/149	(0%)	Mean 0%	SD 0%	
.....											
<b>*Ovary:</b>											
<b>Granulosa Cell Tumor Malignant</b>											
						0/49	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/149	(0%)	Mean 0%	SD 0%	
.....											
<b>*Ovary:</b>											
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>											
						0/49	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/149	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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					Male						Female	
<b>*Ovary:</b>												
<b>Granulosa-Theca Tumor Benign</b>												
						0/49	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>					Total	1/149 (0.67%)		Mean	0.67%		SD 1.15%	
.....												
<b>*Ovary:</b>												
<b>Granulosa-Theca Tumor Malignant</b>												
						0/49	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>					Total	0/149 (0%)		Mean	0%		SD 0%	
.....												
<b>*Ovary:</b>												
<b>Tubulostromal Adenoma</b>												
						0/49	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>					Total	0/149 (0%)		Mean	0%		SD 0%	
.....												
<b>*Pancreas:</b>												
<b>Adenoma</b>												
						1/50	(2%)	2/50	(4%)	1/49	(2%)	
<b>Overall Incidence</b>	Total	4/149 (2.68%)		Mean	2.68%		SD	1.14%		Total	0/150 (0%)	
						0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/149 (0%)		Mean	0%		SD	0%		Total	0/150 (0%)	
						0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/149 (0%)		Mean	0%		SD	0%		Total	0/150 (0%)	
.....												
<b>*Pancreas:</b>												
<b>Carcinoma or Adenoma</b>												
						1/50	(2%)	2/50	(4%)	1/49	(2%)	
<b>Overall Incidence</b>	Total	4/149 (2.68%)		Mean	2.68%		SD	1.14%		Total	0/150 (0%)	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female			
<b>*Pancreas:</b>								
<b>Mixed Tumor Benign</b>								
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>Mixed Tumor Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Parathyroid Gland:</b>								
<b>Adenoma</b>								
		0/46 (0%)	0/44 (0%)	1/46 (2%)	0/46 (0%)	0/42 (0%)	0/42 (0%)	
<b>Overall Incidence</b>	Total	1/136 (0.74%)	Mean 0.72%	SD 1.26%	Total	0/130 (0%)	Mean 0%	SD 0%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>Adenoma</b>								
		16/50 (32%)	23/48 (48%)	24/50 (48%)	28/50 (56%)	28/50 (56%)	27/49 (55%)	
<b>Overall Incidence</b>	Total	63/148 (42.57%)	Mean 42.64%	SD 9.21%	Total	83/149 (55.7%)	Mean 55.7%	SD 0.52%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/48 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/148 (0%)	Mean 0%	SD 0%	Total	2/149 (1.34%)	Mean 1.33%	SD 2.31%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>Carcinoma or Adenoma</b>								
		16/50 (32%)	23/48 (48%)	24/50 (48%)	30/50 (60%)	28/50 (56%)	27/49 (55%)	
<b>Overall Incidence</b>	Total	63/148 (42.57%)	Mean 42.64%	SD 9.21%	Total	85/149 (57.05%)	Mean 57.03%	SD 2.61%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Ganglioneuroma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/148 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%
							SD 0%
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/148 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%
							SD 0%
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/148 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%
							SD 0%
<b>*Pituitary Gland: Pars Nervosa:</b>							
<b>Craniopharyngioma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/148 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%
							SD 0%
<b>*Prostate:</b>							
<b>Adenoma</b>							
<b>Overall Incidence</b>	Total	2/50 (4%)	0/50 (0%)	0/49 (0%)			
		2/149 (1.34%)	Mean 1.33%	SD 2.31%			
<b>*Prostate:</b>							
<b>Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	2/50 (4%)	0/50 (0%)	0/49 (0%)			
		2/149 (1.34%)	Mean 1.33%	SD 2.31%			

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>*Salivary Glands:</b>							
<b>  Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Seminal Vesicle:</b>							
<b>  Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%			
.....							
<b>#Skeletal Muscle:</b>							
<b>  Fibrous Histiocytoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		2/50	(4%)	0/50	(0%)	2/50	(4%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/150	(2.67%)	Mean 2.67%	SD 2.31%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		2/50	(4%)	0/50	(0%)	2/50	(4%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/150	(2.67%)	Mean 2.67%	SD 2.31%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		2/50	(4%)	3/50	(6%)	2/50	(4%)	0/50	(0%)
<b>Overall Incidence</b>	Total	7/150	(4.67%)	Mean 4.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>#Skin:</b>							
<b>Basal Cell Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>							
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>							
		2/50 (4%)	3/50 (6%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	9/150 (6%)	Mean 6%	SD 2%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>							
		5/50 (10%)	6/50 (12%)	11/50 (22%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	22/150 (14.67%)	Mean 14.67%	SD 6.43%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Fibroma</b>							
		8/50 (16%)	7/50 (14%)	8/50 (16%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	23/150 (15.33%)	Mean 15.33%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>							
		11/50 (22%)	8/50 (16%)	9/50 (18%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
<b>Overall Incidence</b>	Total	28/150 (18.67%)	Mean 18.67%	SD 3.06%	Total	3/150 (2%)	Mean 2% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male			Female			
<b>#Skin:</b>								
<b>Fibrosarcoma</b>								
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		3/50 (6%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Hemangioma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Keratoacanthoma</b>								
		2/50 (4%)	1/50 (2%)	6/50 (12%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	9/150 (6%)	Mean 6%	SD 5.29%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>#Skin:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Liposarcoma</b>							
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Neural Crest Tumor</b>							
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Neural Crest Tumor, Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Neurofibroma or Schwannoma benign</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male			Female			
<b>#Skin:</b>								
<b>Squamous Cell Papilloma</b>								
		1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma or Papilloma</b>								
		1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>								
		4/50 (8%)	4/50 (8%)	7/50 (14%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	15/150 (10%)	Mean 10%	SD 3.46%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>								
		3/50 (6%)	4/50 (8%)	7/50 (14%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	14/150 (9.33%)	Mean 9.33%	SD 4.16%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Trichoepithelioma</b>								
		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 3.46%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin: Sebaceous Gland:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>#Skin: Sebaceous Gland:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....							
<b>#Spinal Cord:</b>							
<b>Astrocytoma Benign</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Spinal Cord:</b>							
<b>Astrocytoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Spinal Cord:</b>							
<b>Glioma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>*Spleen:</b>							
<b>Fibrosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>*Spleen:</b>							
<b>Fibrous Histiocytoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>*Spleen:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Spleen:</b>							
<b>Leiomyosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Spleen:</b>							
<b>Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Forestomach:</b>							
<b>Leiomyosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Forestomach:</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Forestomach:</b>							
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 03/20/2010

		Male			Female		
<b>#Stomach, Forestomach:</b>							
<b>Squamous Cell Papilloma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Glandular:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Glandular:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Glandular:</b>							
<b>Lipoma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Stomach, Glandular:</b>							
<b>Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Testes:</b>							
<b>Adenoma</b>							
		48/50 (96%)	46/50 (92%)	49/50 (98%)			
<b>Overall Incidence</b>	Total	143/150 (95.33%)	Mean 95.33%	SD 3.06%			
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>*Testes:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%			
.....							
<b>*Thymus:</b>							
<b>Thymoma Benign</b>							
		0/48 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
<b>Overall Incidence</b>	Total	0/140 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0% SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma Malignant</b>							
		0/48 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
<b>Overall Incidence</b>	Total	0/140 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0% SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma NOS</b>							
		0/48 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
<b>Overall Incidence</b>	Total	0/140 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0% SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma: Benign, Malignant, NOS</b>							
		0/48 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
<b>Overall Incidence</b>	Total	0/140 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: C-Cell:</b>							
<b>Adenoma</b>							
		5/50 (10%)	3/50 (6%)	10/49 (20%)	8/50 (16%)	6/49 (12%)	6/46 (13%)
<b>Overall Incidence</b>	Total	18/149 (12.08%)	Mean 12.14%	SD 7.44%	Total	20/145 (13.79%)	Mean 13.76% SD 1.98%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male			Female		
<b>*Thyroid Gland: C-Cell: Carcinoma</b>							
		1/50 (2%)	1/50 (2%)	1/49 (2%)	2/50 (4%)	1/49 (2%)	0/46 (0%)
<b>Overall Incidence</b>	Total	3/149 (2.01%)	Mean 2.01%	SD 0.02%	Total	3/145 (2.07%)	Mean 2.01% SD 2%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>							
		6/50 (12%)	4/50 (8%)	11/49 (22%)	10/50 (20%)	7/49 (14%)	6/46 (13%)
<b>Overall Incidence</b>	Total	21/149 (14.09%)	Mean 14.15%	SD 7.46%	Total	23/145 (15.86%)	Mean 15.78% SD 3.71%
.....							
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>							
		0/50 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	1/46 (2%)
<b>Overall Incidence</b>	Total	2/149 (1.34%)	Mean 1.33%	SD 2.31%	Total	1/145 (0.69%)	Mean 0.72% SD 1.26%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>							
		0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/46 (0%)
<b>Overall Incidence</b>	Total	1/149 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/145 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>							
		0/50 (0%)	3/50 (6%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	1/46 (2%)
<b>Overall Incidence</b>	Total	3/149 (2.01%)	Mean 2%	SD 3.46%	Total	1/145 (0.69%)	Mean 0.72% SD 1.26%
.....							
<b>#Tissue NOS: Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female					
<b>#Tissue NOS:</b>											
<b>Paraganglioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	
.....											
<b>#Tooth:</b>											
<b>Adamantinoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tooth:</b>											
<b>Odontoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Urinary Bladder: Carcinoma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder: Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder: Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus: Adenoma</b>									
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Uterus: Carcinoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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	Male	Female
<b>#Uterus:</b> Deciduoma Benign		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Hemangioma		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Hemangiosarcoma		
Overall Incidence	Total 0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67% SD 1.15%
<b>#Uterus:</b> Leiomyosarcoma		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Polyp Stromal		
Overall Incidence	Total 10/50 (20%) 32/150 (21.33%)	9/50 (18%) Mean 21.33% SD 4.16%
<b>#Uterus:</b> Sarcoma		
Overall Incidence	Total 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male			Female		
<b>#Uterus:</b>							
<b>Sarcoma Stromal</b>							
			0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%	
.....							
<b>#Uterus:</b>							
<b>Sarcoma Stromal or Polyp Stromal</b>							
			10/50 (20%)		9/50 (18%)	13/50 (26%)	
<b>Overall Incidence</b>		Total	32/150 (21.33%)		Mean 21.33%	SD 4.16%	
.....							
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>		Total	1/150 (0.67%)		Mean 0.67%	SD 1.15%	
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%	
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%	
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female									
<b>#Zymbal's Gland:</b>															
<b>Carcinoma</b>															
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total		1/150 (0.67%)		Mean 0.67%		SD 1.15%	
.....															
<b>#Zymbal's Gland:</b>															
<b>Carcinoma or Adenoma</b>															
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total		1/150 (0.67%)		Mean 0.67%		SD 1.15%	
.....															

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: SKIN  
Vehicle: ACETONE

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Southern Research Institute	058813307	01/18/05	729	50(1)	23(681)	516.1	Trimethylolpropane triacrylate
<b>Female</b>							
Southern Research Institute	058813307	01/18/05	731	50(1)	27(688)	352.8	Trimethylolpropane triacrylate

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		48/50 (96%)			43/50 (86%)		
<b>Overall Incidence</b>	Total	48/50 (96%)	Mean 96%	SD 0%	Total	43/50 (86%)	Mean 86% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		30/50 (60%)			21/50 (42%)		
<b>Overall Incidence</b>	Total	30/50 (60%)	Mean 60%	SD 0%	Total	21/50 (42%)	Mean 42% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)			47/50 (94%)		
<b>Overall Incidence</b>	Total	50/50 (100%)	Mean 100%	SD 0%	Total	47/50 (94%)	Mean 94% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#All Organs:</b>							
<b>Histiocytic Sarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Erythrocytic</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>							
		26/50	(52%)		12/50	(24%)	
<b>Overall Incidence</b>	Total	26/50	(52%)	Mean 52%	SD 0%	Total	12/50 (24%)
							Mean 24%
							SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign, Malignant, NOS</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#All Organs:</b>							
<b>Mesothelioma: Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#All Organs:</b>							
<b>Osteoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#All Organs:</b>							
<b>Osteosarcoma</b>							
		2/50	(4%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)
.....							
<b>#All Organs:</b>							
<b>Osteosarcoma or Osteoma</b>							
		2/50	(4%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)
.....							
<b>*Adrenal Cortex:</b>							
<b>Adenoma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
.....							
<b>*Adrenal Cortex:</b>							
<b>Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/49	(0%)			0/48	(0%)		
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/48	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/49	(0%)			0/48	(0%)		
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/48	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		11/49	(22%)			0/48	(0%)		
<b>Overall Incidence</b>	Total	11/49	(22.45%)	Mean 22.45%	SD 0%	Total	0/48	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		0/49	(0%)			0/48	(0%)		
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/48	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		1/49	(2%)			0/48	(0%)		
<b>Overall Incidence</b>	Total	1/49	(2.04%)	Mean 2.04%	SD 0%	Total	0/48	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		12/49	(24%)			0/48	(0%)		
<b>Overall Incidence</b>	Total	12/49	(24.49%)	Mean 24.49%	SD 0%	Total	0/48	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Bone:</b>									
<b>Chondrosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Chondrosarcoma or Chondroma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		2/50	(4%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		2/50	(4%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Medulloblastoma Mal</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Brain:</b>							
<b>  Oligodendroglioma Benign</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>*Brain:</b>							
<b>  Oligodendroglioma Malignant</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>*Brain:</b>							
<b>  Oligodendroglioma, Glioma, or Astrocytoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>*Brain:</b>							
<b>  Osteosarcoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>*Brain:</b>							
<b>  Schwannoma Malignant</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>*Clitoral/Preputial Gland:</b>							
<b>  Adenoma</b>							
		3/50	(6%)			4/50	(8%)
<b>Overall Incidence</b>	Total	3/50	(6%)	Mean 6%	SD 0%	Total	4/50 (8%)
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	7/50 (14%)	Mean 14%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>									
<b>Overall Incidence</b>	Total	3/50 (6%)	Mean 6%	SD 0%	Total	10/50 (20%)	Mean 20%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Sarcoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus: Fibrosarcoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Heart:</b>							
<b>Schwannoma Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Large: Colon/Rectum:</b>							
<b>Adenoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Large: Colon/Rectum:</b>							
<b>Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Large: Colon/Rectum:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Large: Colon/Rectum:</b>							
<b>Hemangioma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Small: Duodenum:</b>							
<b>Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Intestine Small: Site Unspecified: Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Islets, Pancreatic:</b>							
<b>Adenoma</b>							
		18/50 (36%)			3/50 (6%)		
<b>Overall Incidence</b>	Total	18/50 (36%)	Mean 36%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Islets, Pancreatic:</b>							
<b>Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Islets, Pancreatic:</b>							
<b>Carcinoma or Adenoma</b>							
		18/50 (36%)			3/50 (6%)		
<b>Overall Incidence</b>	Total	18/50 (36%)	Mean 36%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Kidney: Pelvis and Transitional Epithelium:</b>							
<b>Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Pelvis and Transitional Epithelium:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Pelvis and Transitional Epithelium:</b>							
<b>Papilloma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>Mesenchymal Tumor Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Nephroblastoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Sarcoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	1/50	(2%)	Mean 2%	SD 0%
.....									
<b>*Liver:</b>									
<b>Cholangioma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>*Liver:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	0/50	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Liver:</b>								
<b>Ito Cell Tumor Benign</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Adenoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma</b>								
		1/50 (2%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>								
		2/50 (4%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Fibrosarcoma</b>								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Lymph Node:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Mammary Gland:</b>								
<b>Adenolipoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Mammary Gland:</b>								
<b>Adenoma</b>								
		0/50	(0%)			4/50	(8%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	4/50	(8%)
.....								
<b>#Mammary Gland:</b>								
<b>Carcinoma</b>								
		0/50	(0%)			3/50	(6%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	3/50	(6%)
.....								
<b>#Mammary Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50	(0%)			6/50	(12%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	6/50	(12%)
.....								
<b>#Mammary Gland:</b>								
<b>Fibroadenoma</b>								
		1/50	(2%)			22/50	(44%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	22/50	(44%)
.....								
<b>#Mammary Gland:</b>								
<b>Fibroma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		1/50	(2%)			25/50	(50%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	25/50 (50%)	Mean 50%	SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		1/50	(2%)			25/50	(50%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	25/50 (50%)	Mean 50%	SD 0%
.....									
<b>#Mesentery:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....									
<b>#Mesentery:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Cystadenoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Benign</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Malignant</b>								
						1/50	(2%)	
<b>Overall Incidence</b>						Total	1/50	(2%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
						1/50	(2%)	
<b>Overall Incidence</b>						Total	1/50	(2%)
.....								

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: SKIN  
 Vehicle: ACETONE

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Male					Female			
<b>*Ovary:</b>								
<b>Granulosa-Theca Tumor Benign</b>								
					0/50	(0%)		
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa-Theca Tumor Malignant</b>								
					0/50	(0%)		
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Tubulostromal Adenoma</b>								
					0/50	(0%)		
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>Adenoma</b>								
		1/50	(2%)					
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>Carcinoma</b>								
		0/50	(0%)					
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>Carcinoma or Adenoma</b>								
		1/50	(2%)					
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Pancreas:</b>							
<b>Mixed Tumor Benign</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Pancreas:</b>							
<b>Mixed Tumor Malignant</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Parathyroid Gland:</b>							
<b>Adenoma</b>							
		0/45 (0%)			0/45 (0%)		
<b>Overall Incidence</b>	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/45 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Adenoma</b>							
		34/49 (69%)			36/50 (72%)		
<b>Overall Incidence</b>	Total	34/49 (69.39%)	Mean 69.39%	SD 0%	Total	36/50 (72%)	Mean 72% SD 0%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Carcinoma</b>							
		0/49 (0%)			2/50 (4%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4% SD 0%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Carcinoma or Adenoma</b>							
		34/49 (69%)			38/50 (76%)		
<b>Overall Incidence</b>	Total	34/49 (69.39%)	Mean 69.39%	SD 0%	Total	38/50 (76%)	Mean 76% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
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**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Ganglioneuroma</b>							
		0/49 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Adenoma</b>							
		0/49 (0%)			1/50 (2%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2% SD 0%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Carcinoma or Adenoma</b>							
		0/49 (0%)			1/50 (2%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2% SD 0%
.....							
<b>*Pituitary Gland: Pars Nervosa:</b>							
<b>Craniopharyngioma</b>							
		0/49 (0%)			1/50 (2%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2% SD 0%
.....							
<b>*Prostate:</b>							
<b>Adenoma</b>							
		0/50 (0%)					
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%			
.....							
<b>*Prostate:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)					
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%			
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Salivary Glands:</b>									
<b>  Carcinoma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%				
.....									
<b>#Skeletal Muscle:</b>									
<b>  Fibrous Histiocytoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#Skin:</b>							
<b>Basal Cell Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>							
		0/50	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
							Mean 2%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>							
		5/50	(10%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	5/50	(10%)	Mean 10%	SD 0%	Total	1/50 (2%)
							Mean 2%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Fibroma</b>							
		4/50	(8%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>							
		4/50	(8%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skin:</b>								
<b>Fibrosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin:</b>								
<b>Hemangioma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin:</b>								
<b>Hemangiosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin:</b>								
<b>Keratoacanthoma</b>								
		4/50	(8%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Skin:</b>									
Lipoma									
		2/50	(4%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
Liposarcoma									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
Neural Crest Tumor									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
Neural Crest Tumor, Malignant									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
Neurofibroma or Schwannoma benign									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Skin:</b>									
Neurofibrosarcoma or Schwannoma (malignant or NOS)									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	1/50	(2%)	Mean 2%	SD 0%
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	1/50	(2%)	Mean 2%	SD 0%
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skin:</b>								
<b>Squamous Cell Papilloma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma or Papilloma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>								
		5/50	(10%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	5/50	(10%)	Mean 10%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>								
		5/50	(10%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	5/50	(10%)	Mean 10%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Trichoepithelioma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>#Skin: Sebaceous Gland:</b>								
<b>Adenoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#Skin: Sebaceous Gland:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Spinal Cord:</b>							
<b>Astrocytoma Benign</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Spinal Cord:</b>							
<b>Astrocytoma Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Spinal Cord:</b>							
<b>Glioma Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Spleen:</b>							
<b>Fibrosarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Spleen:</b>							
<b>Fibrous Histiocytoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#Stomach, Forestomach:</b>							
<b>Squamous Cell Papilloma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Stomach, Glandular:</b>							
<b>Carcinoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Stomach, Glandular:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Stomach, Glandular:</b>							
<b>Lipoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Stomach, Glandular:</b>							
<b>Sarcoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>*Testes:</b>							
<b>Adenoma</b>							
		27/50	(54%)				
<b>Overall Incidence</b>	Total	27/50	(54%)	Mean 54%	SD 0%		
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%				
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/45	(0%)			0/47	(0%)		
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	Total	0/47	(0%)	Mean 0% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/45	(0%)			0/47	(0%)		
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	Total	0/47	(0%)	Mean 0% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/45	(0%)			0/47	(0%)		
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	Total	0/47	(0%)	Mean 0% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/45	(0%)			0/47	(0%)		
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	Total	0/47	(0%)	Mean 0% SD 0%
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		8/50	(16%)			3/50	(6%)		
<b>Overall Incidence</b>	Total	8/50	(16%)	Mean 16%	SD 0%	Total	3/50	(6%)	Mean 6% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Thyroid Gland: C-Cell: Carcinoma</b>							
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Tissue NOS: Lipoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Tissue NOS:</b>								
<b>Paranglioma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tongue:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tongue:</b>								
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tongue:</b>								
<b>Squamous Cell Papilloma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tooth:</b>								
<b>Adamantinoma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tooth:</b>								
<b>Odontoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>  Carcinoma or Papilloma</b>									
			0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>  Hemangiosarcoma</b>									
			0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>  Leiomyosarcoma</b>									
			0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>  Papilloma</b>									
			0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>  Adenoma</b>									
						0/50 (0%)			
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>  Carcinoma</b>									
						0/50 (0%)			
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean 0%	SD 0%	
.....									

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male		Female	
<b>#Uterus:</b> Deciduoma Benign				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%
<b>#Uterus:</b> Hemangioma				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%
<b>#Uterus:</b> Hemangiosarcoma				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%
<b>#Uterus:</b> Leiomyosarcoma				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%
<b>#Uterus:</b> Polyp Stromal				
Overall Incidence	Total	9/50 (18%)	Mean 18%	SD 0%
<b>#Uterus:</b> Sarcoma				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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				Male					Female	
<b>#Uterus:</b>										
<b>Sarcoma Stromal</b>										
						0/50	(0%)			
<b>Overall Incidence</b>				Total	0/50	(0%)		Mean 0%	SD 0%	
.....										
<b>#Uterus:</b>										
<b>Sarcoma Stromal or Polyp Stromal</b>										
						9/50	(18%)			
<b>Overall Incidence</b>				Total	9/50	(18%)		Mean 18%	SD 0%	
.....										
<b>#Uterus:</b>										
<b>Schwannoma Malignant</b>										
						0/50	(0%)			
<b>Overall Incidence</b>				Total	0/50	(0%)		Mean 0%	SD 0%	
.....										
<b>#Vagina:</b>										
<b>Polyp</b>										
						1/50	(2%)			
<b>Overall Incidence</b>				Total	1/50	(2%)		Mean 2%	SD 0%	
.....										
<b>#Vagina:</b>										
<b>Sarcoma</b>										
						0/50	(0%)			
<b>Overall Incidence</b>				Total	0/50	(0%)		Mean 0%	SD 0%	
.....										
<b>#Zymbal's Gland:</b>										
<b>Adenoma</b>										
						1/50	(2%)			
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0%	SD 0%
.....										

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: SKIN  
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Male					Female				
<b>#Zymbal's Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Zymbal's Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: SKIN  
Vehicle: ETHANOL

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Columbus Laboratory	059902805	09/16/02	729	50(1)	21(676)	506.2	bis(2-Chloroethoxy)methane
Battelle Columbus Laboratory	059700307	07/10/02	728	50(1)	25(680)	510.4	1,2-Dibromo-2,4-dicyanobutane
Battelle Columbus Laboratory	059903203	09/15/04	727	50(1)	23(651)	510.1	Pyrogallol
<b>Female</b>							
Battelle Columbus Laboratory	059902805	09/17/02	730	50(1)	19(646)	341.0	bis(2-Chloroethoxy)methane
Battelle Columbus Laboratory	059700307	07/11/02	729	50(1)	29(695)	337.8	1,2-Dibromo-2,4-dicyanobutane
Battelle Columbus Laboratory	059903203	09/16/04	728	50(1)	29(670)	351.0	Pyrogallol

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		49/50 (98%)	46/50 (92%)	47/50 (94%)	37/50 (74%)	46/50 (92%)	43/50 (86%)
<b>Overall Incidence</b>	Total	142/150 (94.67%)	Mean 94.67%	SD 3.06%	Total	126/150 (84%)	Mean 84% SD 9.17%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		26/50 (52%)	23/50 (46%)	22/50 (44%)	19/50 (38%)	15/50 (30%)	12/50 (24%)
<b>Overall Incidence</b>	Total	71/150 (47.33%)	Mean 47.33%	SD 4.16%	Total	46/150 (30.67%)	Mean 30.67% SD 7.02%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		49/50 (98%)	50/50 (100%)	49/50 (98%)	44/50 (88%)	48/50 (96%)	45/50 (90%)
<b>Overall Incidence</b>	Total	148/150 (98.67%)	Mean 98.67%	SD 1.15%	Total	137/150 (91.33%)	Mean 91.33% SD 4.16%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#All Organs:</b>								
<b>Histiocytic Sarcoma</b>								
		1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#All Organs:</b>								
<b>Leukemia: Erythrocytic</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>								
		17/50 (34%)	17/50 (34%)	11/50 (22%)	12/50 (24%)	10/50 (20%)	8/50 (16%)	
<b>Overall Incidence</b>	Total	45/150 (30%)	Mean 30%	SD 6.93%	Total	30/150 (20%)	Mean 20%	SD 4%
.....								
<b>#All Organs:</b>								
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Mesothelioma: Benign</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Mesothelioma: Benign, Malignant, NOS</b>								
		2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#All Organs:</b>								
<b>Mesothelioma: Malignant</b>								
		2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Osteoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#All Organs:</b>								
<b>Osteosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Osteosarcoma or Osteoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Adrenal Cortex:</b>								
<b>Adenoma</b>								
		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 3.46%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Adrenal Cortex:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		3/50 (6%)	5/50 (10%)	4/50 (8%)		1/50 (2%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	12/150 (8%)	Mean 8%	SD 2%	Total	3/150 (2%)	Mean 2%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		3/50 (6%)	5/50 (10%)	5/50 (10%)		1/50 (2%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	13/150 (8.67%)	Mean 8.67%	SD 2.31%	Total	3/150 (2%)	Mean 2%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female					
<b>#Bone:</b>											
<b>Chondrosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Chondrosarcoma or Chondroma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Chordoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma or Osteoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>*Brain:</b>								
<b>Astrocytoma Malignant</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Brain:</b>								
<b>Ependymoma Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Brain:</b>								
<b>Ependymoma Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Brain:</b>								
<b>Glioma Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Brain:</b>								
<b>Granular Cell Tumor Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Brain:</b>								
<b>Medulloblastoma Mal</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female					
<b>*Brain:</b>											
<b>Oligodendroglioma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Brain:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Schwannoma Malignant</b>											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Adenoma</b>											
		2/50	(4%)	2/50	(4%)	0/50	(0%)	2/50	(4%)	6/50	(12%)
<b>Overall Incidence</b>	Total	4/150	(2.67%)	Mean 2.67%	SD 2.31%	Total	11/150	(7.33%)	Mean 7.33%	SD 4.16%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>*Clitoral/Preputial Gland:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Clitoral/Preputial Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		2/50 (4%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	6/50 (12%)	4/50 (8%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	12/150 (8%)	Mean 8%	SD 4%
.....								
<b>*Clitoral/Preputial Gland:</b>								
<b>Fibrosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Clitoral/Preputial Gland:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Ear:</b>								
<b>Neural Crest Tumor</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Esophagus:</b>								
<b>Fibrosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#Esophagus:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....							
<b>#Eye:</b>							
<b>Melanoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Eye:</b>							
<b>Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Harderian Gland:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#Harderian Gland:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>*Heart:</b>							
<b>Schwannoma Benign</b>							
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total 0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>*Heart:</b>								
<b>Schwannoma Malignant</b>								
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
-----								
<b>#Intestine Large: Colon/Rectum:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
-----								
<b>#Intestine Large: Colon/Rectum:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
-----								
<b>#Intestine Large: Colon/Rectum:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
-----								
<b>#Intestine Large: Colon/Rectum:</b>								
<b>Hemangioma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
-----								
<b>#Intestine Small: Duodenum:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%
									SD 1.15%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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 Report Date: 03/20/2010

		Male			Female		
<b>#Intestine Small: Site Unspecified: Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Intestine Small: Site Unspecified: Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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 Report Date: 03/20/2010

		Male				Female							
<b>*Islets, Pancreatic:</b>													
<b>Adenoma</b>													
		3/50	(6%)	6/50	(12%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	12/150	(8%)	Mean 8%	SD 3.46%	Total	2/150	(1.33%)	Mean 1.33%	SD 2.31%			
.....													
<b>*Islets, Pancreatic:</b>													
<b>Carcinoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%			
.....													
<b>*Islets, Pancreatic:</b>													
<b>Carcinoma or Adenoma</b>													
		3/50	(6%)	6/50	(12%)	3/50	(6%)	1/50	(2%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	12/150	(8%)	Mean 8%	SD 3.46%	Total	3/150	(2%)	Mean 2%	SD 2%			
.....													
<b>*Kidney: Pelvis and Transitional Epithelium:</b>													
<b>Carcinoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>*Kidney: Pelvis and Transitional Epithelium:</b>													
<b>Carcinoma or Adenoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>*Kidney: Pelvis and Transitional Epithelium:</b>													
<b>Papilloma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>*Kidney: Renal Tubule: Adenoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Kidney: Renal Tubule: Carcinoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Kidney: Renal Tubule: Lipoma</b>								
<b>Overall Incidence</b>	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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 Report Date: 03/20/2010

		Male				Female			
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Liver: Cholangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hepatocellular Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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 Report Date: 03/20/2010

		Male			Female			
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>								
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>								
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>*Liver:</b>								
<b>Ito Cell Tumor Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Adenoma</b>								
		4/50 (8%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/150 (4%)	Mean 4%	SD 3.46%	Total	4/150 (2.67%)	Mean 2.67%	SD 4.62%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma</b>								
		1/50 (2%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>								
		5/50 (10%)	2/50 (4%)	4/50 (8%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	11/150 (7.33%)	Mean 7.33%	SD 3.06%	Total	4/150 (2.67%)	Mean 2.67%	SD 4.62%
.....								
<b>*Lung:</b>								
<b>Fibrosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Lymph Node:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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 Report Date: 03/20/2010

		Male			Female			
<b>#Mammary Gland:</b>								
<b>Adenolipoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>#Mammary Gland:</b>								
<b>Adenoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 3/150 (2%)	1/50 (2%) Mean 2%	2/50 (4%) SD 2%
<b>#Mammary Gland:</b>								
<b>Carcinoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 4/150 (2.67%)	2/50 (4%) Mean 2.67%	1/50 (2%) SD 1.15%
<b>#Mammary Gland:</b>								
<b>Carcinoma or Adenoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 7/150 (4.67%)	3/50 (6%) Mean 4.67%	3/50 (6%) SD 2.31%
<b>#Mammary Gland:</b>								
<b>Fibroadenoma</b>								
<b>Overall Incidence</b>	Total	3/50 (6%) 4/150 (2.67%)	1/50 (2%) Mean 2.67%	0/50 (0%) SD 3.06%	Total	16/50 (32%) 54/150 (36%)	14/50 (28%) Mean 36%	24/50 (48%) SD 10.58%
<b>#Mammary Gland:</b>								
<b>Fibroma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma or Adenoma</b>							
		3/50 (6%)	1/50 (2%)	0/50 (0%)	16/50 (32%)	15/50 (30%)	25/50 (50%)
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	56/150 (37.33%)	Mean 37.33% SD 11.02%
.....							
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>							
		3/50 (6%)	1/50 (2%)	1/50 (2%)	17/50 (34%)	17/50 (34%)	26/50 (52%)
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	60/150 (40%)	Mean 40% SD 10.39%
.....							
<b>#Mesentery:</b>							
<b>Fibrous Histiocytoma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Mesentery:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Mesentery:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Mesentery:</b>							
<b>Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33% SD 2.31%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female					
<b>#Oral Mucosa:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Oral Mucosa:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Ovary:</b>											
<b>Cystadenoma</b>											
						0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Ovary:</b>											
<b>Granulosa Cell Tumor Benign</b>											
						0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>						Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Ovary:</b>											
<b>Granulosa Cell Tumor Malignant</b>											
						1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Ovary:</b>											
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>											
						1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>						Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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Male					Female							
<b>*Ovary:</b>												
<b>Granulosa-Theca Tumor Benign</b>												
					0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>					Total	0/150 (0%)		Mean	0%			
						0/50	(0%)			0/50	(0%)	
					Total	0/150 (0%)		Mean	0%			
<b>*Ovary:</b>												
<b>Granulosa-Theca Tumor Malignant</b>												
					0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>					Total	0/150 (0%)		Mean	0%			
						0/50	(0%)			0/50	(0%)	
					Total	0/150 (0%)		Mean	0%			
<b>*Ovary:</b>												
<b>Tubulostromal Adenoma</b>												
					0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>					Total	0/150 (0%)		Mean	0%			
						0/50	(0%)			0/50	(0%)	
					Total	0/150 (0%)		Mean	0%			
<b>*Pancreas:</b>												
<b>Adenoma</b>												
		0/50	(0%)			0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean	0%		SD	0%			
			0/50	(0%)			0/50	(0%)			0/50	(0%)
		Total	0/150 (0%)		Mean	0%		SD	0%			
<b>*Pancreas:</b>												
<b>Carcinoma</b>												
		0/50	(0%)			0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean	0%		SD	0%			
			0/50	(0%)			0/50	(0%)			0/50	(0%)
		Total	0/150 (0%)		Mean	0%		SD	0%			
<b>*Pancreas:</b>												
<b>Carcinoma or Adenoma</b>												
		0/50	(0%)			0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean	0%		SD	0%			
			0/50	(0%)			0/50	(0%)			0/50	(0%)
		Total	0/150 (0%)		Mean	0%		SD	0%			

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/49	(0%)	0/49	(0%)	0/50	(0%)	0/43	(0%)
<b>Overall Incidence</b>	Total	0/148	(0%)	Mean 0%	SD 0%	Total	0/138	(0%)	Mean 0%
									SD 0%
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		35/49	(71%)	32/50	(64%)	33/50	(66%)	22/50	(44%)
<b>Overall Incidence</b>	Total	100/149	(67.11%)	Mean 67.14%	SD 3.84%	Total	82/150	(54.67%)	Mean 54.67%
									SD 13.61%
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/149	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		35/49	(71%)	32/50	(64%)	33/50	(66%)	22/50	(44%)
<b>Overall Incidence</b>	Total	100/149	(67.11%)	Mean 67.14%	SD 3.84%	Total	82/150	(54.67%)	Mean 54.67%
									SD 13.61%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/149 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma or Adenoma</b>									
		0/49 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/149 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Pituitary Gland: Pars Nervosa:</b>									
<b>Craniopharyngioma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%					
.....									
<b>*Prostate:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%					

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>*Salivary Glands:</b>								
<b>  Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Salivary Glands:</b>								
<b>  Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Salivary Glands:</b>								
<b>  Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Salivary Glands:</b>								
<b>  Schwannoma Malignant</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Seminal Vesicle:</b>								
<b>  Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%				
.....								
<b>#Skeletal Muscle:</b>								
<b>  Fibrous Histiocytoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#Skeletal Muscle:</b>								
<b>Hemangiosarcoma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skeletal Muscle:</b>								
<b>Rhabdomyosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skeletal Muscle:</b>								
<b>Rhabdomyosarcoma or Rhabdomyoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Basal Cell Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#Skin:</b>							
<b>Basal Cell Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>							
		2/50 (4%)	2/50 (4%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
<b>Overall Incidence</b>	Total	7/150 (4.67%)	Mean 4.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Fibroma</b>							
		1/50 (2%)	7/50 (14%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	9/150 (6%)	Mean 6%	SD 6.93%	Total	3/150 (2%)	Mean 2% SD 2%
.....							
<b>#Skin:</b>							
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>							
		3/50 (6%)	8/50 (16%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	12/150 (8%)	Mean 8%	SD 7.21%	Total	3/150 (2%)	Mean 2% SD 2%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#Skin:</b>								
<b>Fibrosarcoma</b>								
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Hemangioma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Keratoacanthoma</b>								
		0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#Skin:</b>								
<b>Lipoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Liposarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neural Crest Tumor</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neural Crest Tumor, Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibroma or Schwannoma benign</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>								
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#Skin:</b>								
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>								
		1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Benign</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Malignant</b>								
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#Skin:</b>							
<b>Squamous Cell Papilloma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Squamous Cell Papilloma or Papilloma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>							
		1/50 (2%)	2/50 (4%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	6/150 (4%)	Mean 4%	SD 2%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>							
		0/50 (0%)	2/50 (4%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 3.06%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Trichoepithelioma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin: Sebaceous Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#Skin: Sebaceous Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Spinal Cord:</b>								
<b>Astrocytoma Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Spinal Cord:</b>								
<b>Astrocytoma Malignant</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Spinal Cord:</b>								
<b>Glioma Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Spleen:</b>								
<b>Fibrosarcoma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Spleen:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female					
<b>*Spleen:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Sarcoma</b>											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#Stomach, Forestomach:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Lipoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Testes:</b>								
<b>Adenoma</b>								
		30/50 (60%)	37/50 (74%)	37/50 (74%)				
<b>Overall Incidence</b>	Total	104/150 (69.33%)	Mean 69.33%	SD 8.08%				

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>*Testes:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%			
.....							
<b>*Thymus:</b>							
<b>Thymoma Benign</b>							
		0/49 (0%)	0/49 (0%)	0/47 (0%)	0/49 (0%)	0/45 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/145 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.67% SD 1.15%
.....							
<b>*Thymus:</b>							
<b>Thymoma Malignant</b>							
		0/49 (0%)	0/49 (0%)	0/47 (0%)	0/49 (0%)	0/45 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/145 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0% SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma NOS</b>							
		0/49 (0%)	0/49 (0%)	0/47 (0%)	0/49 (0%)	0/45 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/145 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0% SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma: Benign, Malignant, NOS</b>							
		0/49 (0%)	0/49 (0%)	0/47 (0%)	0/49 (0%)	0/45 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/145 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.67% SD 1.15%
.....							
<b>*Thyroid Gland: C-Cell:</b>							
<b>Adenoma</b>							
		10/50 (20%)	10/50 (20%)	9/50 (18%)	6/50 (12%)	8/50 (16%)	7/50 (14%)
<b>Overall Incidence</b>	Total	29/150 (19.33%)	Mean 19.33%	SD 1.15%	Total	21/150 (14%)	Mean 14% SD 2%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>*Thyroid Gland: C-Cell: Carcinoma</b>							
		1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>							
		11/50 (22%)	12/50 (24%)	9/50 (18%)	6/50 (12%)	8/50 (16%)	7/50 (14%)
<b>Overall Incidence</b>	Total	32/150 (21.33%)	Mean 21.33%	SD 3.06%	Total	21/150 (14%)	Mean 14% SD 2%
.....							
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33% SD 1.15%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>							
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>							
		0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	3/150 (2%)	Mean 2% SD 2%
.....							
<b>#Tissue NOS: Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#Tissue NOS:</b>							
<b>Paraganglioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Tongue:</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Tongue:</b>							
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Tongue:</b>							
<b>Squamous Cell Papilloma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Tooth:</b>							
<b>Adamantinoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Tooth:</b>							
<b>Odontoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: SKIN**  
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		Male			Female			
<b>*Urinary Bladder:</b>								
<b>  Carcinoma or Papilloma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Urinary Bladder:</b>								
<b>  Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Urinary Bladder:</b>								
<b>  Leiomyosarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Urinary Bladder:</b>								
<b>  Papilloma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Uterus:</b>								
<b>  Adenoma</b>								
					0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Uterus:</b>								
<b>  Carcinoma</b>								
					0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: SKIN**  
**Vehicle: ETHANOL**

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	Male		Female	
<b>#Uterus:</b>				
<b>Deciduoma Benign</b>				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Hemangioma</b>				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Hemangiosarcoma</b>				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Leiomyosarcoma</b>				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Polyp Stromal</b>				
		5/50 (10%)	2/50 (4%)	7/50 (14%)
<b>Overall Incidence</b>	Total	14/150 (9.33%)	Mean 9.33%	SD 5.03%
.....				
<b>#Uterus:</b>				
<b>Sarcoma</b>				
		0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....				

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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	Male				Female									
<b>#Uterus:</b>														
<b>Sarcoma Stromal</b>														
			1/50	(2%)		1/50	(2%)	0/50	(0%)					
<b>Overall Incidence</b>			Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%					
.....														
<b>#Uterus:</b>														
<b>Sarcoma Stromal or Polyp Stromal</b>														
			6/50	(12%)		3/50	(6%)	7/50	(14%)					
<b>Overall Incidence</b>			Total	16/150	(10.67%)	Mean	10.67%	SD	4.16%					
.....														
<b>#Uterus:</b>														
<b>Schwannoma Malignant</b>														
			0/50	(0%)		0/50	(0%)	0/50	(0%)					
<b>Overall Incidence</b>			Total	0/150	(0%)	Mean	0%	SD	0%					
.....														
<b>#Vagina:</b>														
<b>Polyp</b>														
			0/50	(0%)		0/50	(0%)	0/50	(0%)					
<b>Overall Incidence</b>			Total	0/150	(0%)	Mean	0%	SD	0%					
.....														
<b>#Vagina:</b>														
<b>Sarcoma</b>														
			0/50	(0%)		0/50	(0%)	0/50	(0%)					
<b>Overall Incidence</b>			Total	0/150	(0%)	Mean	0%	SD	0%					
.....														
<b>#Zymbal's Gland:</b>														
<b>Adenoma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)					
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010  
 Contract/Lab: All Laboratories  
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 Strain: F 344/N  
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		Male				Female								
<b>#Zymbal's Gland:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/150 (0.67%)		Mean	0.67%	SD	1.15%	Total	0/150 (0%)		Mean	0%	SD	0%
.....														
<b>#Zymbal's Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)		Mean	1.33%	SD	1.15%	Total	0/150 (0%)		Mean	0%	SD	0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied